

---

# **INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS**

---

**CUMULATIVE AUTHOR INDEX  
1970-2000**

**DEVOTED TO  
ORIGINAL RESEARCH IN  
PURE AND APPLIED MATHEMATICS  
STATISTICS AND RELATED  
MATHEMATICAL SCIENCES**



**INDIAN NATIONAL SCIENCE ACADEMY  
NEW DELHI**

# INDIAN JOURNAL OF PURE AND APPLIED MATHEMATICS

## Editor

Professor O. P. Bhutani, New Delhi

## Editorial Board

Professor R Balasubramanian, Chennai  
Professor J K Ghosh, Kolkata  
Professor A S Gupta, Kharagpur  
Professor I B S Passi, Chandigarh  
Professor K R Parthasarathy, Delhi  
Professor N Rudraiah, Bangalore  
Professor P L Sachdev, Bangalore  
Professor C S Seshadri, Chennai  
Professor S K Trehan, Chandigarh

## Advisory Board

Professor R Bhatia, New Delhi  
Professor C R Bector, Canada  
Professor B D Craven, Australia  
Professor L Debnath, USA  
Dr B M Glover, Australia  
Professor G C A Graham, Canada  
Professor R K Jain, Kanpur  
Professor W A Kirk, Iowa, USA  
Professor Alan L Lambert, USA  
Professor Vijay Mahajan, USA  
Professor T Parthasarathy, New Delhi  
Professor D. K Ray-Choudhuri, USA  
Professor Ivan L Reilly, New Zealand  
Professor B E Rhoades, Indiana, USA  
Professor Suresh Sethi, USA  
Professor H M Srivastava, Canada

## Editorial Staff

D S R Murty  
Rajan Phull

## Editorial Office

Publications section  
Indian National Science Academy  
*Indian Journal of Pure and Applied  
Mathematics*  
Bahadur Shah Zafar Marg  
New Delhi 110 002  
Tel 23221931 to 23221950/Ext 329 & 331  
Fax 91-11-23235648, 23231095  
E-mail insa@iasd101 vsnl net in, insa4@vsnl net  
insa@delnet ren nic in, insa1@ndf vsnl net in

## Subscription (Domestic/Foreign)

Institution	Rs 1,400/-	US\$ 290
Individual	Rs 1,000/-	US\$ 210
Single issue price	Rs 150/-	US\$ 30

## Subscription orders may please be addressed to

*Assistant Executive Secretary (Sales)*  
Indian National Science Academy  
Bahadur Shah Zafar Marg  
New Delhi 110 002  
Tel 23221931 to 23221950/Ext 525  
Fax 91-11-23235648, 23231095  
E-mail insa@iasd101 vsnl net in,  
insa@delnet ren nic in, insa@ndf vsnl net in  
insa4@vsnl net

*Indian Journal of Pure and Applied Mathematics (IJPAM)* publishes carefully selected papers dealing with original research in Pure and Applied Mathematics, Statistics and related Mathematical Sciences such as Operations Research, Game Theory, Mathematical Economics, Computer Science, Stochastic Modelling, Numerical Analysis, Pattern Recognition, Mathematical Systems etc involving new developments and/or applications of Mathematics or Statistics. A paper will be considered for publication in the journal if it is not submitted for publication elsewhere and includes results which are new, nontrivial and significant. Further, it must be well written and of interest to a wide section of mathematicians or statisticians. Piecemeal results such as an inconclusive step toward an unproved result or a minor variation on a known result are in general not acceptable for publication. Formal novelty and mathematical correctness alone are not sufficient for publication. Editors might invite papers on special topics which are currently of interest. However, all papers will be refereed whether invited or contributed.

*The Journal is indexed in the Science Citation Index, Current Contents (Physical, Chemical & Earth Sciences), Mathematical Reviews, INSPEC Science Abstracts (Part A) Zentralblatt fur Mathematik as well as all the major abstracting services of the world.*



INDIAN JOURNAL  
OF PURE AND APPLIED MATHEMATICS



# INDIAN JOURNAL OF PURE AND APPLIED MATHEMATICS

CUMULATIVE AUTHOR INDEX  
(1970-2000)



INDIAN NATIONAL SCIENCE ACADEMY  
NEW DELHI



**1970-1980**



## AUTHOR INDEX — 1970-1980

- Abani, K.** *See* Srivastava, K. M. & Abani, K., 8, 1235-1252.
- Abani, K. & Srivastava, K. M.** The oscillation of a viscous capillary jet 9, 1978, 1312-1321
- Abd Rabbo, N. A. & Barakat, H. M.** Estimation problems in bivariate lognormal distribution 10, 1979, 815-825
- Abd-Elal, L. F.** A Galerkin algorithm for solving Cauchy-type singular integral equations 11, 1980, 699-709
- Abdussattar** *See* Singh, K. P. & Abdussattar, 468-477, 1235-1230 & 1400-1404.
- Acharya, B. D.** On regular graphs 8, 1977, 1120-1123
- Acharya, B. D. & Vartak, M. N.** On the graphs having unique maximal-connecting partition graphs 8, 1977, 1378-1384
- Acharya, J. D.** Some examples of non-normal operators 11, 1980, 450-456; Subclasses of convexoid operators 11, 1980, 457-461
- Acharya, J. D. & Sheth, I. H.** Essentially (R), essentially ( $H_1$ ) and essentially spectraloid operators on Hilbert spaces 11, 1980, 1420-1423
- Addy, S. K.** *See* Dey, S. & Addy, S. K. 9, 61-67
- Adepoju, J. A.** *See* Nassif, M. & Adepoju, J. A., 11, 1665-1672
- Adikesavan, A. S.** A note on Taylor's theorem 11, 1980, 444-449
- Agarwal, A. K.** A theorem on the zeros of certain classical polynomials 11, 1980, 666-668
- Agarwal, A. K.** *See* Upadhyay, M. D. & Agarwal, A. K., 633-639
- Agarwal, H. C.** On generating relations of general character 11, 1980, 1301-1307
- Agarwal, K.** *See* Tandon, P. N. & Agarwal, K., 43-50
- Agarwal, N. K.** Flow induced by unharmonic oscillations of a solid sphere in a viscous fluid 11, 1980, 949-960
- Agarwal, R. P.** Certain basic integral operators and hypergeometric transformations 5, 1974, 791-801; Existence and uniqueness for nonlinear functional differential equations 7, 1976, 933-938; Non-linear two point boundary value problem 2, 1973, 757-769; On certain transformation formulae and Meijer's G-function of two variables 1, 1970 537-551
- Agarwal, R. S.** *See* Bhargava, R. & Agarwal, R. S., 357-365 & 830-835
- Agarwal, R. S. & Bhargava, R.** A study of viscous flow between porous discs through parameter differentiation 11, 1980, 1217-1224
- Agarwal, V. K. & Krishna, B.** Torsional vibrations of spherical shells 8, 1977, 430-436
- Agashe, N. S.** Hyperspherical representation of a congruence in Euclidean  $S_{n+1}$  4, 1973, 593-600

- Aggarawala, I. & Goyal, A. N. On a class of dual integral equations involving  $G(Xn)$  5, 1974, 572-584
- Aggarwal, I. & Goyal, A. N. On some integrals involving generalized Lommel Matland and  $A^*$  functions 4, 1973, 798-805
- Aggarwal, R. S. Blockwise Lee-burst-error-correcting codes 10, 1979, 271-276
- Aggarwal, R. S. On codes correcting Lee-bursts of limited intensity with density within a given range 9, 1978, 1103-1112
- Aggarwal, S. P. See Goel V. P. and Aggarwal, S P, 11, 618-627
- Aggarwala, I. & Goyal, A. N. On generating functions for a generalized polynomial 7, 1976, 1268-1276
- Agrawal, B. D. & Chaubey, J. P. Operational derivation of generating relations for generalized polynomials 11, 1980, 1155-1157
- Agrawal, B. M. & Agrawal, H. C. An application of the difference operator in the study of some polynomials 6, 1975, 456-462
- Agrawal, G. S. See Agrawal, S. C. & Agrawal, G. S., 235-242
- Agrawal, G. S. On the hydromagnetic stability of viscid spiral flows 4, 1973, 17-28
- Agrawal, H. C. See Agrawal, B. M. & Agrawal, H. C., 456-462
- Agrawal, H. L. & Ram, P. C. Hydromagnetic laminar flow of an electrically conducting fluid along a vertical wall 6, 1975, 9-13
- Agrawal, J. C. See Ray, M. & Agrawal, J. C. 374-388
- Agrawal, K. M. & Smith, A. C. A non-linear model of two-dimensional cavitating flow 1972, 1256-1268
- Agrawal, P. On  $K_\lambda$ -curvature of a vector field in Finsler space 2, 1971, 8  
On special curves of a subspace of a Finsler space 1, 1970, 354-359  
Lal, K. B & Agrawal, P 2, 769
- Agrawal, S. C. & Agrawal, G. Hydromagnetic stability of stationary unstable heterogeneous shear flow 1970, 235-242
- Agrawal, S. R. & Patel, C. M. On the convergence of the coefficients and convergence of a Fourier-Bessel series of a differentiable function 7, 1976, 924-932
- Ahmad, Z. See Ashraf, S. & Ahmad, Z. 1090-1098
- Ahmad, Z. U. On the  $|\overline{N}, p_n|$  summability factors of infinite series 4, 1975, 620-628
- Ahmad, Z. U. & Begum, B. J. On absolute Nörlund summability factors of infinite series 8, 1977, 992-1008
- Ahmad, Z. U. & Khan, M. M. R. Absolute Abel summability factor of a sequence 8, 1977, 1402-1406
- Ahmad, Z. U. & Parasher, V. K. On relation between  $|\overline{N}, p_n|$  and  $(I, \alpha)$  summability 6, 1975, 713-724
- Ahmad, Z. U. & Siddiqui, U. Absolute summability factors of infinite series by Nörlund means 11, 1980, 737-742



- Ahmed, A.** Stresses in an elastic infinite plate with a parabolic crack 6, 1975, 989-995
- Ahsan, J.** Algebra of space-matter tensor in general relativity 8, 1977, 1055-1061
- Ahsan, Z.** A note on the space-matter spinor 9, 1978, 1154-1157; Algebraic classification of space-matter tensor in general relativity 8, 1977, 231-237; On functions in Levinson's treatment for Ramakrishnan's approach to relativity 5, 1974, 1137-1140
- Ahsan, Z. & Husain, S. I.** Invariants of curvature tensor and gravitational radiation in general relativity 8, 1977, 656-662; On  $(F, g, r, S)$ -structure in general relativity 11, 1980, 819-828
- Ahuja, L. & Behari, R.** On con-harmonic curvature tensor of Kahler manifold 1, 1970, 565-567
- Al-Aqueel, A.** Riemannian 5-regular manifolds as coset manifolds 11, 1980, 710-714
- Ali, N.** On plane wave solutions of the field equations of general relativity 4, 1973, 664-669
- Al-Madi, A. K.** On translitivity of the product of Riesz summability methods 11, 1980, 1444-1457
- Alshamani, J. G.** *See* Arora, H. L. & Alshamani, J. G., 307-313
- Anand, S. K.** *See* Jain, P. K. & Anand, S. K., 567-573
- Anandani, P. & Singh, N.** Some inequalities for  $H$ -functions-II 11, 1980, 1166-1169
- Annigeri, N. S.** *See* Kulli, V. R. & Annigeri, N. S., 11, 438-443
- Ansari, M. A. A.** Longitudinal dispersion in an isotropic porous media flow 9, 1978, 588-599; Longitudinal dispersion in saturated porous media 9, 1978, 436-446
- Ansari, S.** *See* Khan, R. S. & Ansari, S., 1319-1326
- Ariel, P. D.** Effect of rotation on the Rayleigh-Taylor instability of compressible inviscid fluid of variable density 2, 1971, 135-142; Rayleigh-Taylor instability with Hall's effect of a viscous finitely conducting fluid in the presence of a vertical magnetic field 3, 1972, 878-889; The character of equilibrium of a heavy, viscous, incompressible, infinitely conducting, rotating fluid in the presence of a vertical magnetic field 2, 1971, 230-245
- Arora, H. L. & Alshamani, J. G.** Stability of differential equation of non-integer order through fixed point in the large 11, 1980, 307-313
- Arora, S. C. & Kumar, R.** On a class of commutators 10, 1979, 307-311
- Arora, S. R.** A set partitioning problem with linear fractional objective function 8, 1977, 961-968
- Arora, S. R., Puri, M. C. & Swarup, K.** The set covering problem with linear fractional functional 8, 1977, 578-588
- Arya, S. P.** *See* Jain, P. & Arya, S. P., 1488-1506
- Arya, V. K.** *See* Bhatnagar, N. S. & Arya, V. K., 1080-1089
- Ashraf, S.** Approximation analytic solution of covering spherical and cylindrical shocks with zero temperature

- gradient in the rear flow field 6, 1975, 614-623; The isothermal expansion of a spherical cylindrical and plane piston into an inhomogeneous medium 3, 1972, 871-877; *see* Sachdev, P. L. & Ashraf, S., 241-252 & 579-593
- Ashraf, S. & Ahmad, Z.** Approximation analytic solution of a strong shock with radiation near the surface of the star 6, 1975, 1090-1098
- Atolia, R. N.** *See* Patni, G. C. & Atolia, R. N. 677-692, 1277-1293 & 1393-1411
- Atsumi, A.** *See* Kumar, M. & Atsumi, A., 10, 259-270
- Atta, T. I.** *See* Bassali, W. A. & Atta, T. I., 1224-1234
- Awaad, L.** *See* Sherif, S. & Awaad, L., 374-378
- Awasthi, K. N. & Dixit, K. K.** On the logarithmic  $H$ -proximate order of analytic functions represented by Dirichlet series 11, 1980, 1590-1599; On the logarithmic order of analytic functions represented by Dirichlet series 10, 1979, 171-182
- Azzam, A.** Behaviour of solutions of Dirichlet problem for elliptic equations at a corner 10, 1979, 1453-1459; On the third boundary value problem for the Poisson equation in domains with corners 11, 1980, 1509-1514
- Babu, A. C.** *See* Chaudhury, A. & Babu, A. C., 1414-1419
- Bagchi, K. K.** *See* Debnath, L., Mukherjee, S. & Bagchi, K. K., 884-893
- Bahadur, N.** On lifts of almost quaternion structure 8, 1977, 828-842
- Bahadur, N.** *See* Prakash, N. & Bahadur, N., 898-904
- Bahl, S. K. & Rai, J.** Collapse and expansion of underwater gas bubbles in the presence of surface tension 5, 1974, 815-824
- Bahl, S. K., Rai, J. & Ghildyal, C. D.** Thermal instability of the flow between two rotating cylinders with arbitrary gap 4, 1973, 749-756
- Bajpai, P. L. & Singh, P.** The radius of convexity of certain analytic functions in the unit disc 5, 1974, 701-707
- Bajpai, S. K.** A note on class of starlike functions 3, 1972, 750-754; On entire functions of bounded index defined by Dirichlet expansions 11, 1980, 422-427; *see* Mehrotra, T. J. & Bajpai, S. K., 186-191
- Bajpai, S. K. & Mehrotra, T. J. S.** On regions of  $\alpha$ -convexity for subclasses of starlike functions 5, 1974, 902-908; On univalence of certain analytic functions associated with starlike convex and close-to-convex functions 4, 1973, 66-72
- Bajwa, G. S. & Srivastava, K. M.** Self-gravitational instability of a rotating fluid with finite resistivity 3, 1972, 41-49
- Bakhshi, H. C.** A study of cost variations in extreme point mathematical programming problems 11, 1980, 829-837; *see* Bansal, S. & Bakhshi, H. C., 1048-1058
- Bakshi, V. S.** Two-dimensional boundary layer transition-spiral formation 5, 1974, 832-834

- Bal Krishan** An unsteady conjugate problem in convective heat transfer 2, 1971, 755-761; An unsteady conjugate problem in free convection 4, 1973, 449-460
- Bala, A.** A note on quasi-normal operators 8, 1977, 463-465; Binormal operators 8, 1977, 68-71; Binormal operators II 8, 1977, 247-249
- Balachandran, V. K.** Real  $L^*$  algebras 3, 1972, 1224-1246
- Balakrishnan, V.** A renewal theorem for a sequence of dependent random variables 2, 1971, 301-311
- Bali, R.** See Roy, S. R. & Bali, R., 318-325, 871-875 & 1236-1240
- Bali, R.** See Roy, S. R., Bali, R. & Prakash, S., 249-255
- Banerjee, A.** See Banerjee, M. B., Roy, R., Gupta, J. R., Shandil, R. G. & Banerjee, A. 142-156
- Banerjee, M. B.** Thermal instability of non-homogeneous fluids; a mathematical theory-II 3, 1972, 226-240
- Banerjee, M. B., Dube, S. N. & Gupta, J.** On the stability of heterogeneous shear flows 6, 1975, 1193-1206
- Banerjee, M. B., Gupta, J., Dube, S. N. & Gupta, S. K.** On the character of magnetic field in the hydromagnetic generalized Benard problem 7, 1976, 999-1012
- Banerjee, M. B., Gupta, J. & Gupta, S. K.** On the effect of rotation in the generalized Benard problem 7, 1976, 1149-1160
- Banerjee, M. B., Roy, R., Gupta, J. R., Shandil, R. G. & Banerjee, A.** An open disk theorem and its contributions to hydrodynamic stability 9, 1978, 142-156
- Banerjee, M. M.** Large deflection of elliptic plates on elastic foundation 5, 1974, 1110-1118
- Banerjee, Mihir B.** Thermal instability of non-homogeneous fluids, a mathematical theory-I 2, 1971, 257-269
- Banerjee, P. K. & Saxena, R. K.** Expansions of generalized  $H$ -function 7, 1976, 337-341
- Banerji, D. K. & Sengupta, P. R.** Effects of couple stresses on the propagation of waves in an elastic layer immersed in an infinite liquid 9, 1978, 17-25
- Bansal, J. L.** Asymptotic suction temperature profiles in a laminar boundary layer over a porous flat plate 3, 1972, 721-728
- Bansal, J. L. & Gupta, R. C.** Recovery factor for a laminar boundary layer over a porous flat plate 5, 1974, 661-673
- Bansal, J. L. & Jain, N. C.** Variable viscosity plane Poiseuille flow with unequal wall temperatures 6, 1975, 800-808
- Bansal, J. L. & Tak, S. S.** On the compressible laminar wall jet 10, 1979, 1469-1483
- Bansal, J. L.** See Jain, N. C. & Bansal, J. L., 624-637
- Bansal, S. & Bakshi, H. C.** An algorithm for extreme point mathematical programming problem using duality relations 9, 1978, 1048-1058

- Bansi Lal & Jain, D. L.** An electrostatic problem involving four strips placed inside a grounded cylinder 8, 1977, 1009-1021; An electrostatic problem of two staggered parallel strips in a bounded space 8, 1977, 873-879, Some electrostatic problems of two strips lying outside a grounded elliptic cylinder 8, 1977, 1182-1192
- Barakat, H. M.** *See* Abd Rabbo, N. A. & Barakat, H. M., 815-825
- Barsoum, F. R.** Bending of a thin circular plate subject to parabolic loading over a concentric elliptic limaçon 8, 1977, 437-447
- Barua, J.** *See* Kront, K. D. & Barua, J., 522-526
- Baskaran, S.** A note on CLT numbers 9, 1978, 82-86
- Bassali, W. A. & Atta, T. I.** Clamped regular curvilinear polygonal plates normally loaded over a concentric circle 8, 1977, 1224-1234
- Bassali, W. A. & Elsirafy, I. H. M.** Green's functions for infinite elastic plates clamped along inner curvilinear edges 6, 1975, 1335-1344
- Bastia, S. N.** *See* Rath, R. S. & Bastia, S. N., 880-884
- Basu, S.** A note on the disturbances in a piezoelectric material under the influence of an electron stream and with a semi-conducting boundary layer 6, 1975, 832-840
- Bathaiah, D.** Forced oscillations of an enclosed rotating fluid under a uniform magnetic field 9, 1978, 996-1003; *See* Srinivasan, V. & Bathaiah, D., 511-517
- Bawa, N. P. S., Gupta, K. P. & Verma, R. C.** An extension of the fixed point probability vector for the successive composition of transition matrices 9, 1978, 137-141
- Bedi, M. K.** *See* Swarup, K. & Bedi, M. K., 190-209
- Begum, B. J.** *See* Ahmad, Z. U. & Begum, B. J., 992-1008
- Behari, R.** *See* Ahuja, L. & Behari, R., 565-567
- Behari, Ram** *See* Chawla, M. & Behari, Ram, 401-408
- Belov, I. A. & Goel, B. S.** Numerical study of unsteady stagnation point flows 4, 1973, 806-820
- Beohar, B. K.** A generalization of a theorem of Duplessis on the convergence of Laplace series 11, 1980, 128-134; *see* Pandey, G. S. & Beohar, B. K., 501-510
- Beohar, B. K. & Jadiya, B. L.** Degree of approximation by Cesáro mean of Fourier-Laguerre series 11, 1980, 1162-1165; Degree of approximation of a function by Cesáro mean of Laguerre expansion 9, 1978, 1305-1311; On the absolute Nörlund summability of Laguerre Series 10, 1979, 800-803
- Beohar, B. K. & Sharma, K. G.** On Nörlund summability of Jacobi series 11, 1980, 1475-1481
- Beohar, B. K. & Sharma, S.** On the absolute Cesáro summability of ultraspherical series 10, 1979, 1151-1156
- Bhadra, B. C.** Symmetrical vibration of a composite circular membrane

- fastened at the circumference 10, 1979, 223-229
- Bhagat, B.** On the  $L^2$  classification of a second-order matrix differential equation 10, 1979, 804-809; On the uniqueness of the Green's matrix associated with a pair of second order differential equations 8, 1977, 1214-1223; Some asymptotic formulae 6, 1975, 648-654
- Bhambri, S. K.** See Gopalakrishna, A. R. & Bhambri, S. K., 1515-1518
- Bhamra, K. S.** See Rao, J. R., Tiwari, R. N. & Bhamra, K. S., 426-435; see Tiwari, R. N. & Bhamra, K. S., 543-547 & 981-986
- Bhandari, M. C.** See Radhakrishnan, A. & Bhandari, M. C., 581-587
- Bharati, R.** Some radius of convexity problems 9, 1978, 1118-1130
- Bhargava, R.** See Agarwal, R. S. & Bhargava, R., 1217-1224
- Bhargava, R. & Agarwal, R. S.** Fully developed free convection flow in a circular pipe 10, 1979, 357-365; Unsteady flow past a flat plate by finite difference method 9, 1978, 830-835
- Bhargava, R. D. & Satyanarayana Rao, V.** Composite rotating disc 2, 1971, 487-494
- Bhargava, R. D. & Saxena, R. S.** Integral equation method of solving two-dimensional Laplace equation-I 1, 1970, 552-564; Integral equation method of solving two-dimensional Laplace equation-II 2, 1971, 246-256
- Bhat, V. N.** The powers of a connected graph are highly Hamiltonian connected 3, 1972, 1247-1249
- Bhatia, D. & Gupta, B.** Efficiency in certain nonlinear fractional vector maximization problems 11, 1980, 669-672
- Bhatia, H. L., Swaroop, K. & Puri, M. C.** A procedure for time minimization transportation problem 8, 1977, 920-929
- Bhatnagar, K. B.** Periodic orbits of collision in the plane circular problem of four bodies 2, 1971, 583-596, Periodic orbits of collision in the restricted problem on three bodies in a three-dimensional coordinate system 3, 1972, 101-117
- Bhatnagar, K. B. & Chawla, J. M.** Mean motions and characteristic exponents at collinear liberation points when the bigger primary is an oblate spheroid 7, 1976, 86-95; A study of the Lagrangian points in the photogravitational restricted three-body problem 10, 1979, 1443-1452
- Bhatnagar, K. S.** See Ravindran, R. & Bhatnagar, K. S.
- Bhatnagar, N. S. & Arya, V. K.** Creep of thick-walled spherical vessels under internal pressure considering large strains 6, 1975, 1080-1089
- Bhatnagar, P. L. & Deka, B. C.** Effect of a weak swirl on a steady supersonic gas flow in a circular tube 4, 1973, 629-652
- Bhatnagar, P. L. & Srivastava, M. P.** Stability of plasma in helical field 3, 1972, 384-395
- Bhatt, B. S.** See Sacheti, N. C. & Bhatt, B. S., 6, 996-1006; see Verma, P. D. & Bhatt, B. S., 8, 908-914

- Bhatt, B. S. & Sacheti, N. C.** On the analogy in slip flows 10, 1979, 303-306
- Bhatt, P. V.** A generalized Kerr-Schild metric and Einstein-Maxwell fields 9, 1978, 377-381
- Bhatt, S.** Spectrally convex Banach algebras 10, 1979, 726-730
- Bhattacharya, A.** On disturbances in a piezoelectric slab with dissipative characteristics 7, 1976, 1096-1103
- Bhattacharya, D. K.** See Singh, P. & Bhattacharya, D. K., 9, 407-416 & 1092-1098
- Bhattacharya, S. K.** See Das, N. C. & Bhattacharya, S. K., 11, 114-119
- Bhattacharyya, S. & Jain, S. K.** Magnetohydrodynamic convection in an infinite channel 5, 1974, 936-950
- Bhattacharyya, S. P.** See Bhattacharyya, S. P. & Bhattacharyya, S. P., 8, 1109-1119
- Bhattacharyya, S. P.** See Jain, P. C. & Bhattacharyya, S. P.
- Bhattacharyya, S. P. & Bhattacharyya, S. P.** On the effect of non-uniform electrical conductivity on the hydromagnetic stability of a hot layer 8, 1977, 1108-1119
- Bhattarcharjee, R. C.** Oscillatory free convection from an infinite horizontal cylinder in second-order fluids 6, 1975, 564-570
- Bhaumik, K. N. & Kundu, S. K.** A Radon-Nikodym theorem in connection with a vector-valued integral 11, 1980, 758-769
- Bhise, V. M. & Dighe, M.** On composition of integral operators with Fourier type kernels 11, 1980, 1183-1187
- Bhonsle, B. R.** See Paik, P. & Bhonsle, B. R., 8, 938-943; also See Sonavane, K. R. & Bhonsle, B. R., 8, 1308-1314
- Bhonsle, B. R. & Choudhary, M. S.** The complex Laplace-Hankel transformation of generalized functions 7, 1976, 205-211
- Bhonsle, B. R. & Subramanian, S.** Problem for propagation of waves in an elastic solid medium with the boundary conditions as distributions 11, 1980, 878-884
- Bhonsle, B. R., Prasad, R. D. & Thakare, N.** A unified presentation of integral transforms with classical orthogonal polynomials as kernels 7, 1976, 717-727
- Bhowmick, J. B.** See Deb Ray, G. & Bhowmick, J. B., 7, 96-103
- Biswas, P.** Large deflection of heated equilateral triangular plate 7, 1976, 257-264; Large deflections of heated orthotropic plates 9, 1978, 1027-1032
- Biswas, R. N.** See Viswanathan, K. & Biswas, R. N., 1, 438-439 & 568-578
- Biswas, R. N., Chandra, J. & Viswanathan, K.** Analysis of stress-wave penetration in plates-II 6, 1975, 590-596
- Biswas, R. N., Nangia, A. K. & Viswanathan, K.** Dynamic excitation of an infinite cylinder by loads acting over a hold-I 7, 1976, 359-367
- Bola, M. S.** See Singh, V. P. & Bola, M. S., 7, 1405-1410; see Singh, V. P., Jha, M. K. & Bola, M. S., 7, 983-987

- Bollinger, R. C.** Sets of summability 11, 1980, 271-278
- Borah, B. N.** Thermo-elastic-plastic transition of tubes under uniform pressure and steady state temperature 3, 1972, 82-91; Unsteady temperature distribution in moving and porous medium subjected to time dependent surface heat flux and with internal heat source 5, 1974, 961-968; On the yield condition and transition fields in elastic-plastic deformation of solids 2, 1971, 335-343
- Borgohain, P.** *See* Krori, K. D. & Borgohain, P., 7, 195-204 & 541-552
- Borole, A.** On the algebra of entire functions over a non-Archimedean field taking values in a non-Archimedean Banach algebra 8, 1977, 1535-1542
- Bose, B.** Some aspects of turbulent shear flow 3, 1972, 645-652
- Bose, R. K. & Mukherjee, R. N.** Stability of fixed point sets and common fixed points of families of mappings 11, 1980, 1130-1138
- Bottorff, G. A.** On the "Littlewood Conjecture" 8, 1977, 738-740, Proof of the Littlewood conjecture for infinitely many pairs 8, 1977, 779-783; On divisor sums 2, 1971, 501-503
- Buch, S. B.** *See* Prasanna, S., Parmar, A. K. & Buch, S. B.
- Buche, A. B.** *See* Singh, H. & Buche, A. B., 10, 913-919, 11, 354-367 & 368-383
- Buschman, R. G. & Gupta, K. C.** Contiguous relations for the  $H$ -function of two variables 6, 1975, 1416-1421
- Buschman, R. G. & Srivastava, H. M.** Inversion formulas for the integral transformation with the  $H$ -function as kernel 6, 1975, 583-589
- Chakrabarti S.** *See* Chakrabarti, A. & Chakrabarti S., 8, 327-334
- Chakrabarti, A.** Diffraction by a uni-directionally conducting strip 8, 1977, 702-717
- Chakrabarti, A. & Chakrabarti S.** A note on certain singular integral equations with kernels  $K(z, \zeta)/(z - \zeta)$  8, 1977, 327-334
- Chakrabarti, C. G.** Minimal sufficient partition and thermodynamic equilibrium 3, 1972, 1078-1085
- Chakrabarti, K. M.** Group theoretic approach of classification of similarity solution in forced convection in the presence of an external magnetic field 7, 1976, 988-992; On a similarity solution of chemical boundary layer theory 8, 1977, 179-183
- Chakrabarty, J.** *See* Krori, K. D. & Chakrabarty, J., 7, 1142-1148
- Chakrabarty, M.** *See* Prabhakar, T. R. & Chakrabarty, M., 7, 1253-1260
- Chakraborty, B. B.** *See* Jindia, R. K. & Chakraborty, B. B., 10, 1236-1248
- Chakraborty, C. G.** Information and Gaussian wave packet 3, 1972, 855-857
- Chakraborty, M. K.** Some results connected with reflexive Banach spaces 3, 1972, 513-517; some results on fixed point

of operators 6, 1975, 809-813, also *see* Chowdhury, B & Chakraborty, S K., 11, 1242-1248; *see* Dasgupta, A & Chakraborty, S K., 10, 1099-1106, *see* Niyogi, P., Haldar, K. & Chakraborty, S. K., 8, 44-53

**Chakraborty, S. K. & Sengupta, P. R.** Some two-dimensional problems of electrostriction with circular hole 4, 1973, 653-663

**Chakravarti, S. P. & De, U. K.** Some solutions of spherical charged fluid balls 10, 1979, 608-616

**Chakravarty, N. K.** Some problems in eigenfunction expansions-IV 1, 1970, 347-353

**Chakravorty, J. G.** Bending of symmetrically loaded circular plate of variable thickness 11, 1980, 258-267

**Chander, S.** A note on self commutators 7, 1976, 187-189

**Chandra, J.** *See* Biswas, R N., Chandra, J & Viswanathan, K., 6, 590-596

**Chandra, P.** A new criterion for the convergence of Fourier series 10, 1979, 1576-1581; a note on the absolute Riesz summability of Fourier series and allied series 7, 1976, 658-674; absolute Borel summability of a Fourier series and its conjugate series 7, 1976, 292-301; absolute Euler summability of allied series of the Fourier series 11, 1980, 215-229; absolute Riesz summability of Fourier series and its application 4, 1973, 775-781; new criteria for the absolute Riesz summability of a Fourier Series and its conjugate series 7, 1976, 168-180; on the absolute Euler summability factors

for Fourier series and its conjugate series 9, 1978, 1004-1018; on the absolute Riesz summability factors of Fourier series 2, 1971, 442-450, on the absolute Riesz summability factors of Fourier series (II) 4, 1973, 5-16; Tauberian conditions for the absolute convergence 5, 1974, 388-395

**Chandra, P. & Gupta, R. R.** Absolute summability by Riesz means 11, 1980, 230-237

**Chandra, P. & Sharma, M. M.** On the absolute Riesz summability of Legendre series 10, 1979, 191-203; on the convergence of series of Legendre polynomials 6, 1975, 264-275

**Chandra, P. & Yadav, V. S.** Absolute summability of series associated with Fourier series by Riesz means 8, 1977, 1459-1464; The  $= |E, q|$ -summability of a series associated with Fourier series 10, 1979, 1337-1342

**Chandra, S.** Coefficient estimates for certain classes of meromorphic functions 8, 1977, 987-991; some results on regular functions 8, 1977, 915-919, strong pseudo-convex programming 3, 1972, 278-282

**Chandra, S. & Singh, P.** An integral transformation of some classes of regular univalent functions 6, 1975, 1270-1275; on certain classes of the analytic functions 4, 1973, 745-748

**Chandran, V. R.** On two analogues of Cohen's theorem 8, 1977, 54-59

**Chandrasekhara, B. C. & Rudraiah, N.** MHD flow through a channel of varying gap 11, 1980, 1105-1124



- Chandrasekhara, B. C., Venkata- chalappa, M. & Rudraiah, N.** Three dimensional MHD laminar source flow between porous disks 5, 1974, 225-240
- Chandrasekhara, C.** *See* Rudraiah, N., Chandrasekhara, C. & Shantha Kumar, M., 3, 1064-1072
- Chandrasekhariah, D. S.** On the propagation of magneto-thermo-viscoelastic plane waves 3, 1972, 1269-1277
- Chandwani, G. N.** Some operational formulas and generating functions for a general sequence of functions 10, 1979, 1525-1531
- Chatterjee, H.** On generalization of Banach contraction principle 10, 1979, 400-403; remark on some theorems of K. Iseki 10, 1979, 158-160; *see* Ray, B. K. & Chatterjee, H., 8, 955-960
- Chatterjee, H. & Ray, B. K.** On further extension of a theorem of Edelstein 11, 1980, 256-257
- Chatterji, H.** A fixed point theorem in metric spaces 10, 1979, 449-450; fixed points for a pair of mappings 10, 1979, 886-889
- Chattopadhyay, A.** On the strong SH motion in a transversely isotropic layer lying over an isotropic material due to a momentary point source 9, 1978, 886-892; on the strong SH motion in transversely isotropic layer of non-uniform thickness lying over an isotropic elastic material due to explosions 9, 1978, 528-540
- Chattopadhyay, H.** A fixed point theorem of a densifying mapping on a bounded complete metric space 9, 1978, 320-323
- Chaturani, P.** Shock waves through self-gravitating gas spheres 3, 1972, 379-383; *see* Ranga Rao, M. P. & Chaturani, P., 1, 258-264
- Chaturvedi, H. C.** *See* Gupta, P. M. & Chaturvedi, H. C., 1, 404-414
- Chaturvedi, K. K.** *See* Goswami, M. K., Chaturvedi, K. K. & Goyal, A. N., 4, 862-872
- Chaturvedi, K. K. & Goyal, A. N.**  $A^*$ -function (I) 3, 1972, 357-360 & 5, 419-435
- Chaturvedi, K. K. & Goyal, A. N.** Study of  $A^*$ -function (III) 4, 1973, 576-586
- Chaturvedi, M. C.** *See* Pathak, S. K. & Chaturvedi, M. C., 7, 1013-1023 & 1472-1486
- Chaturvedi, M. D.** Absolute Riesz summability factors for a Fourier series and its conjugate series 11, 1980, 1469-1474
- Chaturvedi, S. C.** Unsteady laminar forced convections in an elliptic pipe 6, 1975, 1-8
- Chaubey, D. N.** *See* Sinha, B. B. & Chaubey, D. N., 6, 247-252, 7, 511-515 & 8, 201-210
- Chaubey, G. C.** *See* Singh, U. P. & Chaubey, G. C., 8, 497-504 & 10, 112-113
- Chaubey, H. D. & Pathak, R. S.** Finite and convolution Hardy transformations 7, 1976, 757-768
- Chaubey, J. P.** *See* Agrawal, B. D. & Chaubey, J. P., 1155-1157

- Chaudhry, H. R.** See Chawla, A. N. & Chaudhry, H. R., 7, 1315-1331; solutions of some problems in linear theory of an elastic Cosserat plate 7, 1976, 1315-1331
- Chaudhry, H. R. & Chawla, A. N.** Second order effects in three-dimensional thermo-elastic problems 7, 1976, 1448-1465
- Chaudhuri, K.** Directional vibrations of surface waves in deep water due to arbitrary surface disturbances 2, 1971, 32-42; Effect of viscosity on the surface waves produced by an explosion above a liquid 6, 1975, 49-68
- Chaudhury, A. & Babu, A. C.** Positive definiteness in quasi-uniform spaces 11, 1980, 1414-1419
- Chaudhury, B. R.** Dynamical problems of thermo-magnetoelasticity for cylindrical regions 2, 1971, 631-656
- Chaudhury, S.** See Krori, K. D. & Chaudhury, S., 9, 134-136
- Chaudhury, S. R.** Oscillatory shearing in hypoelastic solid 10, 1979, 785-791
- Chauhan, B. P. S. & Srivastava, K. B.** Uniform convergence and rapidity of convergence of Grunwald-type operators on extended Tchebychev nodes of second kind 9, 1978, 1337-1343
- Chauhan, D. S.** See Verma, P. D. & Chauhan, D. S., 9, 797-810 & 10, 1351-1361
- Chawla, A. N.** See Chaudhry, H. R. & Chawla, A. N., 7, 1448-1465
- Chawla, A. N. & Chaudhry, H. R.** Small longitudinal vibrations of initially stretched hollow cylindrical polarized dielectric 9, 1978, 771-786
- Chawla, J. M.** See Bhatnagar, K. B. & Chawla, J. M., 7, 86-95 & 10, 1443-1452
- Chawla, M. & Behari, Ram.** Almost complex space with Finsler metric 2, 1971, 401-408
- Chen, H. Y. & Yeh, C. C.** A note on fixed point in compact metric spaces 11, 1980, 297-298
- Chen, L. S., Yeh, C. C. & Lin, J. S.** On nonlinear oscillations for  $n$ th order delay inequalities 9, 1978, 270-274
- Chetiya, B. P.** On a theorem of Poincare 9, 1978, 1070-1075
- Chhajlani, R. K.** Cylindrical wave propagation in a self-gravitating collisionless plasma with initial fluid velocity in the presence of magnetic field 4, 1973, 879-888
- Chichra, P. N.** See Singh, V. & Chichra, P. N., 8, 253-260
- Chidambaraswamy, J.** Totients and unitary totients with respect to a set of polynomials 10, 1979, 287-302; also See Totients with respect of a polynomial 5, 1974, 601-608
- Chiney, S. P.** Extended Jacobi polynomials and group representations-II 10, 1979, 511-520; see karande, T. M. & Chiney, S. P., 10, 1116-1120
- Chinnadurai, P. P.** See Somasundaram, D. & Chinnadurai, P. P., 10, 912-923
- Chopra, M.** See Prabhakar, T. R., Chopra, M. & Gupta, S., 9, 194-200

- Choudhary, A.** See Srivastava, K. N., Palaiya, R. M. & Choudhary, A., 10, 147-157 & 633-645
- Choudhary, B.** See Kumar, A. & Choudhary, B., 8, 1265-1278 & 1391-1401
- Choudhary, M. S.** See Bhonsle, B. R. & Choudhary, M. S., 7, 205-211
- Choudhary, R. C.** See Mishra, B. N. & Choudhary, R. C., 3, 370-378, see Prasad, S. & Choudhary, R. C., 11, 1381-1387
- Choudhury, P. N.** Plate thermometer at low and high Prandtl numbers 7, 1976, 130-137
- Chowdhury, B. & Chakraborty, S. K.** Dynamic expansion of a spherical cavity in a non-homogeneous medium 11, 1980, 1242-1248
- Chowdhury, K. L.** See Dhaliwal, R. S. & Chowdhury, K. L., 5, 446-756
- Chowla, S. & Hartung, P.** The 3-squares theorem 6, 1975, 1077-1079; the reciprocity formula for dedekind sums 6, 1975, 527-529
- Cloizeaux, J. Des** See Mehta, M. L. & Cloizeaux, J. Des, 3, 329-351
- Dadhich, N.** A note on generalized field equations in general relativity 1, 1970, 502-505; Gravitational field of a charged tachyon 7, 1976, 151-155
- Dahiya, R. S.** Comparative oscillation of second order retarded differential equations 6, 1975, 282-287; on the application of transforms for computation of integrals involving Legendre's function 3, 1972, 656-662
- Dahiya, R. S. & Singh, B.** On Fox's H-function 3, 1972, 493-495, Comparative oscillation of non-homogeneous even order delay differential equations 4, 1973, 374-378; on the asymptotic properties of nonlinear differential difference equation 5, 1974, 254-257
- Darwish, D. M.** A representation for general solutions in the theory of elasticity 11, 1980, 299-306
- Das, A. K.** See Roy, A. & Das, A. K., 9
- Das, G. C.** See Mishra, S. P. & Das, G. C., 5, 585-598
- Das, G. L.** On the summability and absolute summability of a generalized Laplace-Stieltjes integral 2, 1971, 43-58
- Das, N. C. & Bhattacharya, S. K.** Reflection and refraction of waves at a liquid-solid interface in the presence of a magnetic field 11, 1980, 114-119
- Das, P.** Note on the character quasigroup of an Abelian topological quasigroup 7, 1976, 421-424; some results on fixed points in compact metric spaces 11, 1980, 268-270
- Das, P. C.** On the existence of periodic solutions for a system of non-linear differential equations 3, 1972, 451-454
- Das, R. N. & Singh, P.** On subclasses of Schlicht mappings 8, 1977, 864-872
- Das, S. C. & Prasad, S. C.** Thermal stresses in an elastic cone due to a mixed thermal boundary condition 3, 1972, 248-262; the interaction between isolated moving screw dislocation and a circular cylindrical right inclusion 3, 1972, 96-100

- Dasgupta, A. & Chakraborty, S. K.** Effect of a high initial stress on the propagation of love waves in an isotropic elastic incompressible medium 10, 1979, 1099-1106
- Dass, B. K.** *See* Jaggi, D. S. & Dass, B. K., 7, 582-586; *see* Khazanchi, L. & Dass, B. K., 7, 597-601 & 602-609; *see* Sharma, B. D. & Dass, B. K., 6, 294-302 & 8, 1519-1526; *see* Sharma, B. D., Dass, B. K. & Gupta, S. N., 8, 816-820
- Dass, B. K. & Gupta, S.** An extension of Banach contraction principle through rational expression 6, 1975, 1455-1458
- Dass, L.** *See* Srivastava, S. R. & Dass, L., 5, 758-774
- Date, T. H.** A class of non-uniform cosmological models 4, 1973, 612-619
- Datta, M. C.** Paracompactness in bitopological spaces and an application to quasi-metric spaces 8, 1977, 685-690
- De, S.** Vibrations of a composite circular membrane 3, 1972, 1150-1160
- De, U. K.** *See* Chakravarti, S. P. & De, U. K., 10, 608-616
- Deb Ray, G. & Bhowmick, J. B.** Similarity solutions for explosions in radiating stars 7, 1976, 96-103
- Debnath, L.** A new treatment of the steady state wave problem-II 1, 1970, 107-111; on an unsteady motion of a rotating stratified fluid 3, 1972, 1161-1174; on anisotropic wave motions under uniform magnetic and current fields 3, 1972, 179-191; on the Cauchy-Poisson wave problem in a rotating fluid 3, 1972, 1-11; on the generation of internal oscillations in the stratified atmosphere 2, 1971, 429-441; on transient development of internal waves in stratified ocean 1, 1970, 372-388, *see* Majumdar, M. & Debnath, L., 6, 1534-1546
- Debnath, L. & Harrell, C. W.** The operational calculus of associated Legendre transforms-1 7, 1976, 278-291
- Debnath, L., Mukherjee, S. & Bagchi, K. K.** Transient axisymmetric wave motions due to sources in the presence of surface tension 5, 1974, 884-893
- Deka, B.** Laminar swirling flow through a cone 1, 1970, 454-463
- Deka, B. C.** *See* Bhatnagar, P. L. & Deka, B. C., 4, 629-652
- Deo, S. G. & Ladde, G. S.** Conditionally invariant sets and partial stability 5, 1974, 755-757
- Desai, G. A.** *See* Soundalgekar, V. M. & Desai, G. A., 2, 479-486 & 10, 1397-1404
- Deshmukh, S.** *See* Sharfuddin, A., Deshmukh, S. & Husain, S. I., 11, 845-853
- Deshmukh, S. & Khan, A. G.** Almost paracontact 3-structure on a differentiable manifold 10, 1979, 442-448
- Deshpande, V. L.** Confluent expansions for functions of two variables 7, 1976, 939-950; Finite sum representations of partial derivatives of the  $H$ -function of two and more

- variables with respect to parameters  
10, 1979, 1514-1524
- Devanathan, R. & Parvathamma, S.** Long wavelength peristaltic transport of non-Newtonian fluids 11, 1980, 507-517
- Dey, S. & Addy, S. K.** Internal instability in second order elasticity 9, 1978, 61-67
- Dhaliwal, R. S.** *See* Singh, B. M. & Dhaliwal, R. S., 9, 668-681; Two diametral cracks in a point loaded circular disc 9, 1978, 661-667
- Dhaliwal, R. S. & Chowdhury, K. L.** Singular integral equations in couple-stress theory of elasticity 5, 1974, 446-456
- Dhaliwal, R. S. & Singh, A.** Two diametral cracks in a circular disc 9, 1978, 343-357
- Dhara, M.** A note on numerical solution of integral equations 8, 1977, 278-281
- Dharmani, R. L.** *See* Gupta, S. K. & Dharmani, R. L., 8, 1049-1054
- Dhavale, A. T.** *See* Soundalgekar, V. M. & Dhavale, A. T., 1, 608-624
- Dhawan, G. K.** Asymmetric distribution of stress in a thick plate containing a penny-shaped crack 3, 1972, 729-734; Asymmetric distribution of thermal stress in a thick plate containing a penny-shaped crack 4, 1973, 205-214; Axisymmetric problems in the theory of thermoelasticity for a semi-infinite two-dimensional medium containing a Griffith crack 2, 1971, 533-548; Distribution of thermal stress in an infinitely long elastic strip containing two coplanar Griffith cracks 5, 1974, 708-723; Distribution of thermal stress in the vicinity of an external crack in an infinite thick plate 5, 1974, 7-28; Effect of a Griffith crack on the distribution of stress in a semi infinite two-dimensional medium 3, 1972, 622-631; On the torsion of elastic half-space with a penny-shaped inclusion 6, 1975, 253-263; On three part mixed boundary value problems in two-dimensional theory of thermoelasticity 3, 1972, 1017-1037; Some steady state thermo-elastic stress distribution in the vicinity of an external crack in an infinite medium 3, 1972, 361-365; Dhawan, G. K. Stress distribution in the vicinity of an external crack in an elastic layer containing a cylindrical cavity 6, 1975, 310-321; The distribution of stress in a transversely isotropic medium with cylindrical cavity and external crack 9, 1978, 305-317; The distribution of stress in the vicinity of an external crack in a semi-infinite solid 8, 1977, 1315-1339; The effect of a rigid disc on the distribution of thermal stress in a semi-infinite solid 2, 1971, 504-517; The effect of a rigid disk on the distribution of stress in a semi-infinite solid 2, 1971, 69-79; *see* Srivastava, S. N. & Dhawan, G. K., 8, 1354-1369
- Dhawan, G. K. & Goutam, I. K.** On a mixed boundary value problem in elasticity 9, 1978, 965-980
- Dhawan, M. & Prakash, N.** Adjoint complex Finsler manifolds, 1, 1970, 8-16
- Dhole, A.** *See* Tomar, J. S. & Dhole, A., 6, 784-799

- Dhyani, P.** Radiation effects on attached shocks in hypersonic flows 5, 1974, 179-185
- Dighe, M.** *See* Bhise, V. M. & Dighe, M., 11, 1180-1187
- Dixit, K. K.** *See* Awasthi, K. N. & Dixit, K. K., 10, 171-188 & 11, 1590-1599
- Dixit, L. A.** An integral equation involving  $4F_3$  in the Kernel 9, 1978, 739-746
- Djukic, Dj. S.** A contribution to the nonholonomic mechanical systems of the second order 8, 1977, 482-486
- Doherey, R. P.** *See* Nandan, K., Doherey, R. P. & Srivastava, R. S. L., 11, 33-39 & 1424-1433
- Doma, S. B.** Orbital fractional parentage coefficients for nuclei with  $A = 3$  10, 1979, 521-542
- Doma, S. B. & Youssef, M. K.** Unitary scheme model study of 3H with Gogny, Pires and de Tourreil interaction 10, 1979, 404-414
- Dongre, N. M.** On the squares of cycles and other graphs 4, 1973, 1-4
- Dube, S. N. & Sharma, C. L.** Exact solution of the transient forced convection energy equation for time-wise variation of inlet temperature in a circular pipe 7, 1976, 610-615
- Dube, A. P.** Certain multiplication formulae for Kampé de Fériet functions 5, 1974, 682-690
- Dube, R. S.** Green's function of an elastic plate in the shape of Pascal's limaçon and clamped along the boundary 2, 1971, 59-68
- Dube, S. K.** Hydromagnetic flow near an accelerated flat plate 1, 1970, 170-177; *see* Dwivedi, R. N. & Dube, S. K., 7, 799-808
- Dube, S. N.** Flow induced by an oscillating infinite flat plate in a dusty Maxwell fluid 3, 1972, 917-925; On the flow of Rivlin-Ericksen fluids in a channel bounded by two parallel flat plates 3, 1972, 396-401; *see* Banerjee, M. B., Dube, S. N. & Gupta, J., 6, 1193-1206; *see* Banerjee, M. B., Gupta, J., Dube, S. N. & Gupta, S. K., 7, 999-1012, *see* Singh, J. & Dube, S. N., 6, 69-79, Temperature distribution in poiseuille flow between two parallel flat plates 1, 1970, 277-283
- Dube, S. N. & Sharma, C. L.** An exact solution of the transient forced convection energy equation for timewise linear variation of inlet temperature in a circular pipe 8, 1977, 196-200; A note on the temperature distribution of viscous incompressible fluid in a channel and a circular pipe with constant rate of heat generations 3, 1972, 695-699; Unsteady flow of a dusty fluid between two parallel flat plates 3, 1972, 1175-1182; On the laminar motion of a Maxwell fluid near an oscillating porous infinite plane 3, 1972, 211-218
- Dubey, G. K.** *See* Gupta, M., Dubey, G. K. & Sharma, H. S., 10, 792-799
- Dubey, G. K., Srivastava, D. N. & Singh, B. M.** The solution of quadruple trigonometrical integral equations and their application to a crack problem 8, 1977, 1145-1156
- Dubey, R. S. D.** Generalized recurrent spaces 10, 1979, 1508-1513; **Dubey, R. S. D. & Singh, H.** Hypersurfaces

- of recurrent Finsler spaces **11**, 1980, 1125-1129
- Dubey, S. K. *See* Singh, U. P. & Dubey, S. K., **9**, 709-717
- Dubey, S. K. D. On Kaehlerian S-recurrent spaces with Bochner curvature tensor **10**, 1979, 772-777
- Dubey, V. J. *See* Misra, S. B. & Dubey, V. J., **11**, 54-49; *see* Pande, H. D. & Dubey, V. J., **10**, 33-38
- Duche, A. B. The generalized Cauchy equation for self-adjoint operators on a Hilbert space **10**, 1979, 166-170
- Duggal, B. P. & Kapur, M. L. On weighted fractional integrals **11**, 1980, 576-587
- Dumir, V. C. & Hans-Gill, R. J. Lattice double coverings in the plane **3**, 1972, 466-480; A counter-example in geometry of numbers **3**, 1972, 460-465; Covering by star domains **8**, 1977, 344-350; Lattice double packings in the plane **3**, 1972, 481-487
- Dutta, D. K. & Ghosh, A. K. Slow and steady rotation in a Reiner-Rivillin of a solid formed by the revolution of a limacon **5**, 1974, 909-920
- Dutta, S. & Roy, P. On the study of Rayleigh-type waves in a layer of finite thickness sandwiched between two semi-infinite media **6**, 1975, 377-389
- Dwivedi, A. P. Certain dual series equations involving generalized Bateman K-functions **2**, 1971, 451-455; Certain triple series equations involving generalized Bateman K-functions **2**, 1971, 456-463
- Dwivedi, A. P. & Sharma, J. P. Simultaneous triple integral equations involving G-functions of two variables **11**, 1980, 1600-1608
- Dwivedi, A. P. & Singh, V. B. Quadruple series equations involving series of Jacobi polynomials **8**, 1977, 1068-1077
- Dwivedi, A. P. & Trivedi, T. N. Some triple series equations involving generalized Laguerre polynomials **5**, 1974, 674-681; Triple series equations involving generalized Bateman K-function **7**, 1976, 320-327; Triple series equations involving Jacobi and Laguerre polynomials **7**, 1976, 951-960
- Dwivedi, B. D. *See* Pande, H. D. & Dwivedi, B. D., **10**, 26-32, 461-466 & 1031-1038
- Dwivedi, I. H. Intensity of a null point source in a stationary spherically symmetric space-time **8**, 1977, 621-626
- Dwivedi, R. N. & Dube, S. K. Oscillatory hydromagnetic free convection flow past on infinite vertical flat plate with suction **7**, 1976, 799-808
- Eisen, M. & Gindler, H. Some Banach algebra concepts, states of operators and approximate spectra **11**, 1980, 572-575
- El-Sirafy, I. H. On the problem of stretched infinite plate weakened by a hole having arbitrary shape **11**, 1980, 13-19
- Elsirafy, I. H. M. *See* Bassali, W. A. & Elsirafy, I. H. M., 1335-1344
- Ewell, J. A. Consequences of a Gaussian identity **5**, 1974, 509-512

- Exton, H. The Di-Bessel function 11, 1980, 856-862
- Faour, N. S. The Fredholm index of a class of vector-valued singular integral operators 11, 1980, 135-146
- Feldman, L. A. Orbit structure of slices 4, 1973, 122-132; Principal G-spaces 6, 1975, 1127-1144
- Fields, J. W. & Sisarcick, W. C. A Banach algebra of entire functions 6, 1975, 1378-1387
- Fisher, B. Common fixed points on complete metric spaces 9, 1978, 175-181; On three fixed point mappings for compact metric spaces 8, 1977, 479-481; Set-valued mappings on bounded metric spaces 11, 1980, 8-12; Some mappings on metric spaces 8, 1977, 1089-1092
- Fotedar, G. L. On a class of semigroup-rings 8, 1977, 611-620; On semilattice rings 7, 1976, 616-619
- Fricke, G. H. A note on bounded index and bounded value distribution 11, 1980, 428-432; Entire functions having positive zeros 5, 1974, 478-485
- Fu, Y. T. Interpolation by generalized polynomials 11, 1980, 1458-1468
- Gadamsi, A. M. & Mahto, K. R. On the limit-2 case of second-order matrix differential equations 9, 1978, 653-660
- Ganguly, A. On  $(\overline{N}, p_n)$  summability of Fourier series and its conjugate series 10, 1979, 1228-1235; On common fixed points of two mappings 11, 1980, 173-176, *see* Jain, R. K. & Ganguly, A., 10, 250-258 & 451-456; *see* Jain, R. K., Ganguly, A. & Madan, B. L., 9, 282-289
- Gangwar, S. S. *See* Prasad, G., Gangwar, S. S. & Misra, S. B., 10, 204-208
- Garai, M. M. Deflection of an elastic circular plate with clamped edge resting on a viscoelastic foundation and having a concentrated load at the centre 6, 1975, 814-818
- Garg, K. C. & Swarup, K. Linear fractional functional complementary programming with extreme point optimization 9, 1978, 556-563
- Garrett, J. W. & Stanojevic, C. V. On integrability and  $L'$ convergence of certain cosine sums 7, 1976, 873-879
- Gaur, K. N. & Kashyap, B. R. K. The double-ended queue with limited waiting space 4, 1973, 73-81
- Gaur, M. & Rishi Ram. Propagation of a pressure shock in gases at high temperature 9, 1978, 824-829
- Gaur, M. D. The slow motion of an axisymmetric body in a viscous, conducting, rotating fluid 7, 1976, 701-709
- Gaur, Y. N. *See* Verma, P. D. & Gaur, Y. N., 1, 492-501 & 3, 815-820; Viscous incompressible flow between two infinite porous rotating disks 3, 1972, 1289-1298
- Gautam, L. P. *See* Gupta, B. L. & Gautam, L. P., 7, 1185-1189, 1190-1194 & 8, 851-863
- Gendler, J. *See* Gendler, S. I. & Gendler, J., 1, 178-179
- Gendler, S. I. & Gendler, J. Primes in an angle of an ellipse 1, 1970, 178-179



- Ghildyal, C. D.** *See* Bahl, S. K., Rai, J. & Ghildyal, C. D., 749-756
- Ghosh Dastidar, D & Majumder, S. K.** The solution of Panilive equations in Chebyshev series 4, 1973, 155-160
- Ghosh Dastidar, D. & Ghosh, P.** Solution of stresses in a sphere due to a uniform heat source for strain hardening material by perturbation method 4, 1973, 82-89
- Ghosh, A. K.** *See* Dutta, D. K. & Ghosh, A. K., 5, 909-920
- Ghosh, B.** Some expressions for Green's function for the negative Laplacian in a curvilinear quadrilateral 4, 1973, 873-878, Torsion of a radially composite circular cylindrical beam by a Green's function technique for a composite body 5, 1974, 29-38
- Ghosh, B. C.** *See* Sengupta, P. R. & Ghosh, B. C., 8, 1032-1048
- Ghosh, D.** Note on an integral transform 8, 1977, 821-827
- Ghosh, H.** Instability zones due to acoustic pulse striking a vortex sheet on a supersonic stream 10, 1979, 378-388
- Ghosh, K. M.** Some consequences of Millionshtchikov hypothesis in the early-period decay process of turbulence 3, 1972, 157-175
- Ghosh, N. C.** Thermal effect on the transverse vibration of spinning disk 5, 1974, 137-146
- Ghosh, N. N.** A new geometrical approach to non-symmetric unified field theory 4, 1973, 856-861; Bra and ket vectors in infinitesimal geometry 4, 1973, 398-401; Fourfold geometry in an infinitesimal domain of Hilbert space 1, 1970, 360-366; Generalized bra and ket vectors in infinitesimal geometry 7, 1976, 413-417; Infinitesimal geometry in Hilbert space-I 1, 1970, 87-93; Infinitesimal geometry in Hilbert space-II 1, 1970, 94-97, Infinitesimal geometry in Hilbert space-III 1, 1970, 269-276
- Ghosh, P.** *See* Ghosh Dastidar, D. & Ghosh, P., 4, 82-89
- Ghoshal, A.** *See* Ghoshal, S. & Ghoshal, A., 7, 568-591
- Ghoshal, S. & Ghoshal, A.** A generalized method of solution of the unsteady compressible boundary layer equations 7, 1976, 568-591
- Ghoshal, S. K.** On the existence of non-regular solutions of Navier-Stokes equations 4, 1973, 226-240
- Ghoshal, S. K. & Massod, M. A.** Generalized Gronwall's inequality and its applications to a class of non-self-adjoint linear and non-linear hyperbolic partial differential equations, to establish their uniqueness, continuous dependence and comparison theorems 5, 1974, 297-310
- Ghoshal, S. K. & Ray, B. K.** On generalization of Banach's fixed point theorem 7, 1976, 314-319
- Gindler, H.** *See* Eisen, M. & Gindler, H., 11, 572-575
- Girija Devi.** Secondary flow caused by the rotation of a sphere in fluids with couple stress 3, 1972, 603-611
- Goel, B. S.** *See* Belov, I. A. & Goel, B. S., 806-820

- Goel, G. C. & Jain, D. L.** A note on electrostatic problems involving two strips 7, 1976, 751-756; Electrostatic problem of two coplanar parallel strips 7, 1976, 809-816
- Goel, R. M.** On the coefficients of a class of close-to-convex functions 5, 1974, 128-131; Radius of starlikeness of close-to-spirallike functions 8, 394-400; The radius of convexity for a certain class of analytic functions 4, 1973, 318-324
- Goel, R. M. & Singh, V.** Coefficient estimates for a class of starlike functions 3, 1972, 1118-1130
- Goel, R. M. & Sohi, N. S.** New criteria for  $p$ -valence 11, 1980, 1356-1360; On certain classes of analytic functions 11, 1980, 1308-1324
- Goel, R. N. & Singh, V.** On radii of univalence of certain analytic functions 4, 1973, 402-421
- Goel, S. N.** Bounds over parity checks of linear codes correcting burst of specified Lee-weight/ intensity 8, 1977, 1543-1554
- Goel, V. P. & Aggarwal, S. P.** Pricing and ordering policy with general Weibull rate of deteriorating inventory 11, 1980, 618-627
- Gole, R. J.** The leading edge signal on a flat plate in uniform shear 6, 1975, 1215-1224
- Gopala Krishna, J.** Linear equations and fixed point theorems in Banach spaces with bases 5, 1974, 993-1002
- Gopalakrishna, A. R. & Bhambri, S. K.** Finite affine planes with primitive collineation groups 8, 1977, 1515-1518
- Gopalakrishna, H. S. & Umarani, P. G.** Coefficient estimates for some classes of spiral-like functions 11, 1980, 1011-1017
- Gopalakrishnan Nair, C. V. & Palekar, M. G.** The effect of surface viscosity and surface deformation on a uniformly rotating fluid layer heated from below 6, 1975, 1507-1513
- Goswami, B.** Effect of capillary force on Keller's solitary wave 6, 1975, 571-582
- Goswami, M. K., Chaturvedi, K. K. & Goyal, A. N.** Expansion theorems of  $A^*$  function 4, 1973, 862-872
- Goutam, I. K.** *See* Dhawan, G. K. & Goutam, I. K., 9, 965-980
- Govil, A. K.** Operational readiness of a complex system having shelf-life of the components under pre-emptive repeat repair discipline 6, 1975, 210-218
- Govindarajulu, T.** Couette flow in hydromagnetics with time-dependent suction 9, 1978, 1359-1364; Free convection along a horizontal plate 3, 1972, 663-671
- Govindarajulu, Z.** Weak laws of large numbers for dependent summands 6, 1975, 1013-1022
- Goyal, A. N.** Dual integral equations involving the generalized Fox function as the Kernel 11, 1980, 1176-1182
- Goyal, A. N.** *See* Aggarwala, I. & Goyal, A. N., 572-584; *see* Aggarwal, I. & Goyal, A. N., 798-805; *see* Aggarwala, I. & Goyal, A. N., 1268-1276; *see* Chaturvedi, K. K. &

- Goyal, A. N., 4, 576-586, 862-872 & 7, 357-360; *see* Goswami, M. K., Chaturvedi, K. K. & Goyal, A. N., 4, 862-872; *see* Parashar, O. P. & Goyal, A. N., 4, 259-266 & 5, 802-810; *see* Vinocha, O. P. & Goyal, A. N., 11, 190-197
- Goyal, A. N. & Chaturvedi, K. K. A study  $A^*$  function (II) 5, 1974, 419-425
- Goyal, D. P. On three coplanar Griffith cracks in an infinite elastic medium 5, 1974, 556-567, On two-dimensional crack problems of prescribed shape 4, 1973, 428-436
- Goyal, D. P. The distribution of surface stress necessary to produce the Griffith crack of prescribed shape in the form of cross 6, 1975, 1038-1046; *see* Gupta, P. M. & Goyal, D. P., 3, 496-503
- Goyal, M. C. *See* Gupta, M. C. & Goyal, M. C., 2, 673-683, 667-672, 3, 547-555, 403-435, 4, 680-695 & 5, 486-520; *see* Jain, N. C. & Goyal, M. C., 9, 275-281; *see* Purohit, G. N. & Goyal, M. C., 7, 977-982
- Goyal, S. P. On transformation of infinite series of Fox's  $H$ -function 2, 1971, 684-691; *see* Gupta, K. C. & Goyal, S. P., 5, 524-529
- Goyal, S. P. & Mathur, S. L. On integrals involving the  $H$ -function of two variables 7, 1976, 347-358; Some finite integrals involving generalized function of two variables-II 7, 1976, 76-85; Some infinite integrals involving generalized function of two variables 5, 1974, 343-352
- Goyal, S. P. & Vasishta, S. K. Heat conduction in a truncated wedge of finite height 8, 1977, 10-17
- Gross, F. Factorization of entire functions which are periodic mod  $g$  2, 1971, 561-572
- Gross, F. & Yang, C. C. On factorization of entire functions with infinitely many real zeros 3, 1972, 1183-1194
- Gross, H. & Hauptman, H. On a functional equation related to the Weierstrass sigma function 5, 1974, 1022-1032
- Guha Thakurta, S. N. *See* Paul, B. B. & Guha Thakurta, S. N., 8, 117-119
- Gulab Ram & Mishra, R. S. Unsteady flow through-magneto hydrodynamic porous media 8, 1977, 637-647
- Gupta, A. K. *See* Sharma, J. K., Gupta, A. K. & Gupta, M. P., 11, 961-968
- Gupta, A. P. On free vibrations of spherical sandwich shells 1, 1970, 524-536; *see* Prasad, C. & Gupta, A. P., 10, 1002-1008
- Gupta, A. P. & Jain, M. Axisymmetric vibrations of conical sandwich shells 9, 1978, 1322-1336
- Gupta, A. P. & Pathak, N. Effect of secondary terms on bending of beams 9, 1978, 358-370
- Gupta, B. *See* Bhatia, D. & Gupta, B., 669-672
- Gupta, B. C. A note on partial isometries-II 11, 1980, 208-211, also *see* Ramanujan, P. B. & Gupta, B. C., 8, 90-93
- Gupta, B. L. & Gautam, L. P. Absolute convergence of Fourier series 7, 1976, 1185-1189; Harmonic summability of Fourier series 8, 1977, 851-863; On the  $|E, q|$  summation of derived Fourier series

- and its conjugate series 7, 1976, 1190-1194
- Gupta, D. K.** See Singh, R. K. & Gupta, D. K., 10, 502-504; also see Singh, R. K., Kumar, A & Gupta, D. K., 11, 904-907
- Gupta, H.** A new look at the permutations of the first  $N$  natural numbers 9, 1978, 600-632; A note on the Stein-Waterman sequences 11, 1980, 147-148; A simple proof of the churchhouse conjecture concerning binary partitions 3, 1972, 791-794; Enumeration of incongruent cyclic  $k$ -gons 10, 1979, 964-999; Magic partitions 6, 1975, 1159-1166, On cycles of  $k$  integers 11, 1980, 527-546; On permutation cubes and Latin cubes 5, 1974, 1003-1021; On Sylvester's theorem in partitions 2, 1971, 740-748; Partitions of  $n$  into divisors of  $m$  6, 1975, 1276-1286; Primary factorizations of complete residue sets 5, 1974, 1085-1092; Some sequences with distinct sums 5, 1974, 1093-1109; The combinatorial recurrence 4, 1973, 529-532; Three-dimensional models of partitions of bipartite numbers 6, 1975, 1287-1308
- Gupta, H. & Nath, B.** Enumeration of stochastic cubes 4, 1973, 545-567
- Gupta, H. & Pleasants, P. A. B.** Partitions into powers of  $m$  10, 1979, 655-694
- Gupta, H. & Singh, K.** The largest  $r$  for which  $(n+k)!/n!(k+r)!$  is an integer 10, 1979, 1249-1265
- Gupta, H. L.** An integral equation involving incomplete gamma function as the Kernel 7, 1976, 1361-1366
- Gupta, J.** See Banerjee, M. B., Dube, S. N. & Gupta, J., 6, 1193-1206; also see Banerjee, M. B., Gupta, J & Gupta, S. K., 7, 1149-1160; see Banerjee, M. B., Roy, R., Gupta, J. R., Shandil, R. G. & Banerjee, A., 9, 142-146; see Banerjee, M. B., Gupta, J., Dube, S. N. & Gupta, S. K., 7, 999-1012
- Gupta, J. R. & Pathania, R. C.** On the stability of generalized hydromagnetic thermal shear flows 9, 1978, 1175-1187
- Gupta, K. C.** On a study of integral transforms 11, 1980, 720-726; also see Buschman, R. G. & Gupta, K. C., 6, 1416-1421
- Gupta, K. C. & Goyal, S. P.** On generalized Fourier series for the  $H$ -function of two variables 5, 1974, 524-529
- Gupta, K. C. & Mital, P. K.** Integrals involving a generalized functions of two variables 5, 1974, 430-437
- Gupta, K. C. & Srivastava A.** On integrals involving generalized hypergeometric functions 2, 1971, 495-500; On finite expansions for the  $H$ -function 3, 1972, 322-328; Fractional integral operators and self-reciprocal functions 3, 1972, 1131-1140
- Gupta, K. K.** See Pande, H. D. & Gupta, K. K., 10, 1020-1030
- Gupta, K. P.** See Bawa, N. P. S., Gupta, K. P & Verma, R. C., 9, 139-141
- Gupta, L. N.** On some further applications of the variational formulation based on local potential to the solution of diffusion equation. I. Temperature distribution in a transpiration cooled half-space with variable thermal properties 3, 1972, 575-585; On some

- further applications of the variational formulation based on local potential to the solution of diffusion equation. II. Heat conduction in an ablating solid with variable thermal properties 3, 1972, 586-592; *also see* Kumar, I. J. & Gupta, L. N., 2, 692-703
- Gupta, M.** A note on the paper "fully developed free convection flow in a circular pipe" 10, 1979, 1575-1575; *also see* Kamthan, P. K. & Gupta, M., 5, 1119-1126
- Gupta, M. & Sinha, D. K.** On a mathematical model in biopiezoelectricity 11, 1980, 522-526
- Gupta, M. C. & Goyal, M. C.** Plane couette between two parallel plates with uniform suction at the stationary plate 2, 1971, 673-683; Slow steady motion of a viscous incompressible fluid through rotating tapered annulus 3, 1972, 979-985; Source flow between parallel disks with different permeability 5, 1974, 486-500; The pulsating viscous flow superposed on the steady laminar motion of  $n$ -immiscible incompressible fluids between two parallel plates 4, 1973, 680-695; Unsteady flow of viscous incompressible fluid between two porous coaxial rotating circular cylinders 3, 1972, 547-555; Viscous incompressible flow between two coaxial rotating circular cylinders with small uniform injection at the inner cylinder 2, 1971, 657-672; Viscous incompressible steady laminar flow between two porous coaxial rotating circular cylinders with different permeability 3, 1972, 402-425
- Gupta, M. P.** *See* Sharma, J. K., Gupta, A. K. & Gupta, M. P., 11, 961-968
- Gupta, M., Dubey, G. K. & Sharma, H. S.** Laminar free convection flow with and without heat sources through coaxial circular pipes 10, 1979, 792-799
- Gupta, O. P.** *See* Srivastava, K. N. & Gupta, O. P., 2, 704-712
- Gupta, P. M.** *See* Sharma, C. K. & Gupta, P. M., 3, 992-995 & 4, 844-855; *also see* Singh, B. M. & Gupta, P. M., 5, 119-127 & 775-784
- Gupta, P. M. & Chaturvedi, H. C.** The solution of four integral equations involving Bessel function 1, 1970, 404-414
- Gupta, P. M. & Goyal, D. P.** On some four series equations 3, 1972, 496-503
- Gupta, P. M. & Saxena, V. P.** Heat conduction in a moving anisotropic rectangular slab 2, 1971, 290-296
- Gupta, P. M. & Sharma, C. K.** On Fourier series for Meijer's  $G$ -function of two variables 3, 1972, 1073-1077
- Gupta, R. C.** *See* Bansal, J. L. & Gupta, R. C., 661-673
- Gupta, R. K.** A finite transform involving generalized prolate spheroidal wave functions and its applications 6, 1975, 432-443; Current carrying non-Newtonian fluid past a non-conducting sphere at low Reynolds number 10, 1979, 646-654; Inverse transforms of products of transforms involving spheroidal wave functions of any order  $a > -1$  (Convolution Theorem) 7, 1976, 302-308; On the slow broad side

- motion of a thin disc (elliptical) in a viscous liquid 6, 1975, 177-189; Unsteady laminar convection in uniformly heated vertical pipes II 6, 1975, 1345-1371
- Gupta, R. K.** *See* Sharma, S. D. & Gupta, R. K., 10, 1202-1212; *also see* Singh, T. & Gupta, R. K., 6, 494-503
- Gupta, R. K. & Gupta, S. C.** Laminar steady forced convection flow of a viscous liquid in a channel 7, 1976, 897-911
- Gupta, R. K. & Gupta, S. D.** Some operational properties of generalized Legendre transform and their applications II 8, 1977, 589-601; Operational calculus of spheroidal wave angle function (generalized Legendre transform) 8, 1977, 602-610
- Gupta, R. K. & Mishra, S. D.** Infinite Mathieu transform 8, 1977, 1431-1444
- Gupta, R. R.** *See* Chandra, P. & Gupta, R. R., 11, 230-237
- Gupta, R. S.** *See* Singh, V. & Gupta, R. S., 6, 322-336 & 8, 1279-1297
- Gupta, S.** *See* Dass, B. K. & Gupta, S., 6, 1455-1458; *see* Prabhakar, T. R. & Gupta, S. & Prabhakar, T. R., Chopra, M. & Gupta, S., 9, 194-200
- Gupta, S. C.** Unsteady flow of a dusty gas in a channel whose cross-section is an annular sector 10, 1979, 704-714; *see* Gupta, R. K. & Gupta, S. C., 7, 897-911
- Gupta, S. C. & Singh, B.** Unsteady magnetohydrodynamic flow in a rectangular channel under transverse magnetic field 3, 1972, 1038-1047
- Gupta, S. D.** *See* Gupta, R. K. & Gupta, S. D., 8, 589-601 & 602-610
- Gupta, S. K.** Elastic-plastic bending of wide plates 11, 1980, 1235-1241; *also see* Banerjee, M. B., Gupta, J. & Gupta, S. K., 7, 1149-1160; *also see* Banerjee, M. B., Gupta, J., Dube, S. N. & Gupta, S. K., 7, 999-1012; *see* Kapoor, V. K. & Gupta, S. K., 1, 433-437
- Gupta, S. K. & Dharmani, R. L.** Creep transition in transversely isotropic shells under uniform pressure 8, 1977, 1049-1054
- Gupta, S. L.** Integrals of Schldfli's form involving generalized Bessel coefficients 1, 1970, 430-432
- Gupta, S. N.** *See* Sharma, B. D. & Gupta, S. N., 8, 320-326, *also see* Sharma, B. D., Dass, B. K. & Gupta, S. N., 8, 816-820
- Gupta, S. P. & Sharma, G. C.** Stratified viscous flow of variable viscosity between a porous bed a moving impermeable plate 9, 1978, 290-297
- Gupta, T. R.** *See* Sarma, G. N. & Gupta, T. R., 1, 594-607 & 2, 722-739
- Gupta, T. R. & Sarma, G. N.** Effects of cross flow in unsteady flow past a yawed infinite cylinder 6, 1975, 1047-1065
- Gupta, U. S. & Lal, R.** Buckling and vibrations of circular annular plates of parabolically varying thickness 11, 1980, 149-159; Vibrations and buckling of parabolically tapered circular plates 10, 1979, 347-356
- Gupta, V.** *See* Sinha, K. S. & Gupta, V., 11, 1673-1680

- Gupta, V. K. & Ranganathan, S.** Fixed point theorems for mappings which are not necessarily continuous 6, 1975, 451-455
- Gupta, Y. K.** Embedding class of a conformally fluid distribution 7, 1976, 190-194
- Gupta, Y. K. & Pandey, S. N.** Electromagnetic fields of embedding class one 6, 1975, 1388-1392
- Gurdial.** *See* Sharma, B. D. & Gurdial, 8, 558-566
- Habib, A.** *See* Wafi, A., Habib, A. & Khan, H. H., 9, 867-870
- Habib, A. & Umar, S.** On generalized Bernstein polynomials 11, 1980, 177-189
- Habib, A. & Wafi, A.** Degree of approximation of functions by modified Bernstein polynomial on an unbounded interval 8, 1977, 691-695
- Haldar, K.** *See* Niyogi, P., Haldar, K. & Chakraborty, S. K., 8, 44-53
- Haldavnekar, D. D.** *See* Soundalgekar, V. M. & Haldavnekar, D. D., 3, 64-81
- Hamad, H.** *See* Sherif, S. & Hamad, H., 7, 1091-1095
- Hamedani, G. G.** Periodic boundary value problem for a system of nonlinear second order equations 8, 1977, 1253-1258
- Hans, Rajinder J.** Covering constants of some non-convex domains 1, 1970, 127-141
- Hans-Gill, R. J.** *See* Dumir, V. C. & Hans-Gill, R. J., 3, 460-465, 466-480, 481-487 & 8, 344-350
- Hans-Gill, R. J. & Raka, M.** An Inequalities for indefinite ternary quadratic forms of type (2, 1) 11, 1980, 994-1006; Inhomogeneous minimum of indefinite quadratic forms in five variables of type (4, 1) or (1, 4) : A conjecture of Watson 11, 1980, 75-91; Some inequalities for non-homogeneous quadratic forms 11, 1980, 60-74
- Hanumanthachari, J.** Some number theoretic Boolean rings 11, 1980, 1286-1292; Venu Raju, K. & Hanumanthachari, J., 11, 1566-1571
- Harbans Lal** Nine-Reflexive primary semigroups 8, 1977, 930-937
- Hari Krishan & Sharma, G. C.** Hydromagnetic flow near an oscillating porous flat plate under the action of a body force 10, 1979, 1552-1557
- Harinath, K. S.** A chain of results on fixed points 10, 1979, 1484-1490; On a generalization of inverse semigroups 8, 1977, 166-178; Some results on  $k$ -regular semigroups 10, 1979, 1422-1431; Surface line sources over a generalized thermoelastic halfspace 11, 1980, 1210-1216; Surface point source in a generalized thermoelastic half space 8, 1977, 1347-1351
- Harrell, C. W.** *See* Debnath, L. & Harrell, C. W., 7, 278-291
- Hartung, P.** *See* Chowla, S. & Hartung, P., 6, 527-529 & 1077-1079
- Hauptman, H.** *See* Gross, H. & Hauptman, H., 5, 1022-1032

- Hebbare, S. P. R., Patwardhan, G. A. & Vartak, M. N.** Row and column Schur designs 7, 1976, 692-697
- Herstein, I. N.** A remark on division rings with involution 9, 1978, 267-269
- Hulsurkar, S.** Creep transitions in anisotropic spherical shells under uniform internal pressure 11, 1980, 693-698; Thermo-elastic-plastic transition in rotating disks with steady state temperature 10, 1979, 597-601; Transition theory of creep in rotating disks of variable thickness 9, 1978, 242-248; Transition theory of creep of composite spherical shells under uniform internal pressure 9, 1978, 222-228
- Husain, S. I.** See Ahsan, Z. & Husain, S. I., 656-662 & 819-828
- Husain, S. I.** See Sharfuddin, A., Deshmukh, S. & Husain, S. I., 11, 845-850
- Hussain, M. A. & Singh, S. N.** Bilateral generating functions for orthogonal polynomials related to Hermite polynomials 10, 1979, 1504-1507; On generalized polynomial set  $D_n(x; a, k)$  9, 1978, 1158-1162; Some properties of orthogonal polynomials related to Hermite polynomials 11, 1980, 1018-1020
- Hussain, M. A., Srivastava, A. N. & Singh, S. N.** Bilinear generating functions for orthogonal polynomials relating to ultra-spherical polynomials 10, 1979, 330-333
- Hussain, M. A., Srivastava, A. N., Singh, S. D. & Singh, S. N.** Operational derivation of generating relations of orthogonal polynomials related to ultraspherical and Hermite polynomials 11, 1980, 1325-1328
- Indrani, A. K.** Union curves in contact manifolds, 1, 1970, 17-24
- Iskandar, L. & Jain, P. C.** A numerical study of the thickening of shock waves 11, 1980, 1530-1539
- Iyer, P. V. K. & Lipton, S.** Some studies in multinomial sequence with double dependence between successive observations 4, 1973, 826-837
- Jadiya, B. L.** See Beohar, B. K. & Jadiya, B. L., 800-803, 1162-1165 & 1305-1311
- Jaggi, D. S.** Some unique fixed point theorems 8, 1977, 223-230
- Jaggi, D. S. & Dass, B. K.** On fixed point theorems for product of metric spaces 7, 1976, 572-586
- Jain, D. K.** See Vaid, B. K. & Jain, D. K., 873-879, 1009-1021 & 1182-1192
- Jain, D. L.** See Bansilal & Jain, D. L., 8, 873-899, 1009-1021 & 1182-1192
- Jain, D. L.** See Goel, G. C. & Jain, D. L., 7, 751-756 & 809-816
- Jain, D. L.** See Vaid, B. K. & Jain, D. L., 7, 1032-1038
- Jain, D. R.** See Saxena, R. K. & Jain, D. R., 8, 1480-1490 & 1491-1496
- Jain, D. R. & Singh, B.** On the space of analytic Dirichlet transformations of several complex variables 11, 1980, 640-647
- Jain, M.** See Gupta, A. P. & Jain, M., 9, 1322-1336
- Jain, N. C.** A relation between Laplace and



- Hankel transform of two variables 1, 1970, 415-418
- Jain, N. C. *See* Bansal, J. L. & Jain, N. C., 800-808
- Jain, N. C. & Bansal, J. L. Variable viscosity plane Poiseuille flow with transpiration cooling 5, 1974, 624-637
- Jain, N. C. & Goyal, M. C. On the laminar flow along a porous vertical wall 9, 1978, 275-281
- Jain, P. Integrability theorems for certain trigonometric series with  $S$ -quasi monotone coefficients 5, 1974, 951-960; On some inequalities for Fourier series 6, 1975, 1103-1112
- Jain, P. & Arya, S. P. Some function space topologies for multifunctions 6, 1975, 1488-1506
- Jain, P. C. & Bhattacharyya, S. P. Study of hydromagnetic stability of a hot layer of fluid by Liapunov method 2, 1971, 778-789
- Jain, P. C. *See* Iskandar, L. & Jain, P. C., 11, 1530-1539
- Jain, P. C. *See* Mahanti, P. K. & Jain, P. C., 4, 770-774
- Jain, P. C. & Holla, D. N. General finite difference schemes for the heat equations 10, 1979, 209-222
- Jain, P. C. & Kadalbajoo, M. K. A numerical method for solving mildly nonlinear elliptic problems over irregular regions 7, 1976, 212-223; A numerical technique for solving nonlinear elliptic problems 11, 1980, 20-32
- Jain, P. C. & Mahanti, P. K. Finite element method and variational Green function 6, 1975, 489-493
- Jain, P. C. & Prakash, C. V. S. Stability of hydromagnetic flows in a temperature field 7, 1976, 1411-1425
- Jain, P. C. & Raja, M. Splitting-up technique for Burger's equations 10, 1979, 1543-1551
- Jain, P. K. *See* Kalthia, N. L. & Jain, P. K., 7, 110-115
- Jain, P. K. & Anand, S. K. Some results on  $p$ -valued entire algebroid functions 8, 1977, 567-573
- Jain, P. K. & Singh, P. On modified deficient values of a meromorphic function and its derivatives 7, 1976, 224-240
- Jain, R. C. Bias and mean square error of a variance estimator after three preliminary tests of significance in a component of variance model 9, 1978, 1-16
- Jain, R. K. Axisymmetric vibrations of a loaded shallow spherical shell 2, 1971, 573-582
- Jain, R. K. & Ganguly, A. On the strong  $(j, pn)$ -summability of Fourier series 10, 1979, 451-456
- Jain, R. K. & Ganguly, A. Strong summability by logarithmic method of derived Fourier series and its conjugate series 10, 1979, 250-258
- Jain, R. K. & Soni, S. R. Free vibration of rectangular plates of parabolically varying thickness 4, 1973, 267-277
- Jain, R. K., Ganguly, A. & Madan, B. L. On  $|V, \lambda|_k$  summability factors of Fourier series 9, 1978, 282-289

- Jain, S.** Double series generating functions 6, 1975, 1372-1377; also *see* Manocha, H. L. & Jain, S., 8, 1472-1479
- Jain, S. K.** *See* Bhattacharyya, S. & Jain, S. K., 5, 936-950
- Jain, V. K.** On orthogonal polynomials of two variables 11, 1980, 492-501;  $q$ -Analogues of some bilinear transformations 11, 1980, 1643-1648; also *see* Verma, A. & Jain, V. K., 11, 1021-1038
- Jena, G.** *See* Rath, R. S. & Jena, G., 10, 1405-1414
- Jha, A. C.** *See* Srivastava, K. N., Kumar, M. & Jha, A. C., 8, 72-83
- Jha, K. K.** Completeness of the topological groups  $m_s(E, F)$  7, 1976, 564-567
- Jha, M. K.** *See* Singh, V. P., Jha, M. K. & Bola, M. S., 7, 983-987
- Jindal, S.** *See* Kusum Rani & Jindal, S., 7, 1119-1121
- Jindia, R. K. & Chakraborty, B. B.** Hydromagnetic stability of a vortex sheet in compressible, perfectly conducting fluids 10, 1979, 1236-1248
- Johari, S.** Asymptotic behaviour of the solution to a class of nonlinear Volterra integral equation 6, 1975, 390-409
- John, V. N.** *See* Singh, U. P. & John, V. N., 9, 1188-1196
- Johri, A. K.** Flow of viscoelastic fluid induced by elliptic harmonic oscillations of a disk 9, 1978, 422-425; MHD fluctuating flow of viscoelastic fluid past a porous infinite flat plate in slip flow regime 9, 1978, 417-421; Unsteady channel flow of an elastico-viscous liquid 9, 1978, 481-489
- Johri, V. B. & Pathak, M. P.** Galaxy formation in Eddington-Lamaitre universe 10, 1979, 496-501
- Joshi, A. D.** Hyponormal polynomials of monotone shifts 6, 1975, 681-686
- Joshi, B. K.** Inversion of a convolution transform involving generalized Bateman's function 5, 1974, 1081-1084; The inversion of a convolution transform 5, 1974, 933-935
- Joshi, B. K. & Sharma, R. S.** Unsteady flow of visco-elastic fluid through long circular ducts 7, 1976, 1081-1090
- Joshi, C. M. & Prajapat, M. L.** On some results concerning generalised  $H$ -function of two variables 8, 1977, 103-116
- Joshi, M.** Nonlinear random equations with  $P$ -compact operators in Banach spaces 11, 1980, 791-799
- Juneja, O. P.** *See* Kapoor, G. P. & Juneja, O. P., 7, 241-248
- Juneja, P.** On joint numerical radius 8, 1977, 1259-1264
- Kabe, D. G.** On a certain linear fractional programming problem 11, 1980, 1411-1413
- Kadalbajoo, M. K.** *See* Jain, P. C. & Kadalbajoo, M. K., 7, 212-223 & 11, 20-32
- Kak, S.** The discrete finite Hilbert transform 8, 1977, 1385-1390
- Kale, P. P.** Certain special features of the gravitation metric of spherical

- symmetry and geodesic type 3, 1972, 1108-1117
- Kalita, S. C.** Some symmetric groups of small degrees as automorphism groups of compact Riemann surfaces 10, 1979, 1157-1166
- Kalthia, N. L.** Axisymmetric jet 10, 1979, 312-317
- Kalthia, N. L. & Jain, P. K.** A weak jet of an incompressible pseudoplastic fluid 7, 1976, 110-115
- Kamthan, P. K.** Proximate order of entire Dirichlet functions 1, 1970, 325-329, Some results on locally convex algebras 1, 481-484
- Kamthan, P. K. & Gupta, M.** Analytic functions in bicylinders 5, 1974, 1119-1126
- Kamthan, P. K. & Ray, S. K.** Decompositions in topological vector spaces 6, 1975, 237-246
- Kamthan, P. K. & Singh Gautam, S. K.** Bases in a certain spaces of Dirichlet entire transformations 6, 1975, 856-863; High in a certain space of functions analytic in the half-plane 6, 1975, 1066-1076
- Kannan, R.** On Banach spaces with basis and fixed point problem 1, 1970, 25-29
- Kannappan, Pl.** On various characterizations of generalized directed divergence 6, 1975, 655-667
- Kant, R.** Combined free and forced convective hydromagnetic flow through a porous channel with Hall and wall conductance effects 11, 1980, 468-477; On fluctuating flow of an elastico-viscous fluid past an infinite plate with variable suction in slip-flow regime 9, 1978, 855-866
- Kant, R.** *See* Khandpur, S. L. & Kant, R.
- Kapoor, G. P. & Juneja, O. P.** On the lower order of functions analytic in the unit disc 11 7, 1976, 241-248
- Kapoor, K. R.** *See* Kapur, P. K. & Kapoor, K. R., 10, 1485-1421 & 7, 13-27
- Kapoor, V. K.** *See* Masood, S. & Kapoor, V. K., 3, 32-40
- Kapoor, V. K. & Gupta, S. K.** Fourier series for *H*-functions 1, 1970, 433-437
- Kapur, J. N.** On the stability of the reproductive structure of a population 10, 1979, 1266-1276
- Kapur, J. N.** Application of generalized hypergeometric functions to generalized birth and death processes 9, 1978, 1059-1069; Bifurcation theory in population models with time delays 11, 1980, 1397-1410; Limiting optimal exploitation of a multispecies community 9, 1978, 876-880, Nonlinear continuous-time discrete-age-scale population models 11, 1980, 682-692; Optimal harvesting of animal populations 10, 1979, 890-912; Population dynamics via Games theory and modified Volterra equations 11, 1980, 347-353; Stability analysis of continuous and discrete population models 9, 1978, 702-708
- Kapur, J. N. & Khan, Q. J.** A Bifurcation theory for two population models 9, 1978, 787-796; Models of population growth-II 11, 1980, 326-335; Some mathematical modes for population growth 10, 1979, 277-286

- Kapur, J. N. & Khan, Q. J. A Stability of difference and differential equation systems 11, 1980, 462-467
- Kapur, M. L. *See* Duggal, B. P & Kapur, M. L, 11, 576-587
- Kapur, P. K. & Kapoor, K. R. A two-unit warm stand by system with repair and preventive maintenance 7, 1976, 13-27
- Kar, A. K. Reduction of simultaneous equations 4, 1973, 391-397
- Karade, T. M. Spherically symmetric space-times in bi-metric relativity theory-I 11, 1980, 1202-1209
- Karade, T. M. & Kumbhare, P. G. Alternative approach to the simplex method 11, 1980, 969-973
- Karande, B. K. Formulas involving products of classical orthogonal polynomials by Fujiwara-Thakare approach 10, 1979, 1044-1050
- Karande, B. K. & Thakare, N. K. Note on the generating function for generalized hypergeometric polynomials 6, 1975, 1185-1187, On certain  $q$ -orthogonal polynomials 7, 1976, 728-736; On the unification of Bernoulli and Euler polynomials 6, 1975, 98-108; Results involving generalized hypergeometric polynomials and orthogonal polynomials related to Hermite polynomials 6, 1975, 637-647; Some results for Konhauser-biorthogonal polynomials and dual series equations 7, 1976, 635-646
- Karande, T. M. & Chiney, S. P. Rotation in space-time 10, 1979, 1116-1120
- Karmakar, S. B. Laplace transform solution of nonlinear differential equations 11, 1980, 407-412, Solution of nonlinear differential equations by using Volterra series 10, 1979, 421-425
- Karmeshu Hydrodynamic after-effects on the Brownian motion of rigid particles 7, 1976, 777-786
- Karunakaran, V. A certain class of analytic functions in the unit disc 7, 1976, 1381-1399
- Kashyap, B. R. K. *See* Gaur, K N. & Kashyap, B R. K., 4, 73-81
- Kashyap, J. N. *See* Tiwari, R & Kashyap, J N, 3, 896-903
- Kashyap, J. N. S. A spatially flat space-time in Einstein's unified field theory 3, 1972, 455-459
- Kashyap, J. N. S. *See* Tiwari, R. & Kashyap, J N S., 3, 1250-1255
- Kashyap, J. N. S. & Upadhyay, V. D. A cylindrically symmetric electrostatic field in Einstein's unified field theory 4, 1973, 253-258
- Kashyap, N. K. *See* Prabhakar, T R & Kashyap, N K., 11, 92-97 & 1147-1154
- Katlana, R. C. On the degree of approximation to a function by the Chsdro means of its Fourier-Laguerre expansions 10, 1979, 1491-1496
- Katyal, K. N. Flow of a second-order fluid past a semi-infinite flat plate 5, 1974, 258-271; Oscillatory flows of dipolar fluids 3, 1972, 938-949, Steady flow of dipolar fluids between two infinite disks, one rotating and the other at rest 3, 1972, 996-1009

- Kaul, C. L. Fractional integration and dual integral equations of two variables 3, 1972, 821-829, Generalized hypergeometric function and heat production in a semi-infinite cylinder 3, 1972, 504-512, Integrals involving a generalized function of two variables 4, 1973, 364-373
- Kaushik, M. L. Random error detecting and burst error correcting codes under a new metric 10, 1979, 1460-1468
- Khan, A. G. *See* Deshmukh, S. & Khan, A. G., 10, 442-448
- Khan, F. M. On Norlund summability of the conjugate of a Fourier series 5, 1974, 837-844
- Khan, H. H. On some aspects of summability 6, 1975, 1468-1472; On the degree of approximation of certain functions by triangular means 8, 1977, 211-217, On the degree of approximation of functions belonging to class  $Lip(\alpha, p)$  5, 1974, 132-136; On the degree of approximation to a function by triangular matrix of its conjugate Fourier series (II) 6, 1975, 1473-1478; On the degree of approximation to a function by triangular matrix of its Fourier series 6, 1975, 849-855
- Khan, H. H. *See* Umar, S. & Khan, H. H., 8, 752-757 & 10, 334-338
- Khan, H. H. *See* Umar, S., Wafi, A. & Khan, H. H., 8, 218-222
- Khan, H. H. *See* Wafi, A., Habib, A. & Khan, H. H., 9, 867-870
- Khan, H. H. & Rizvi, S. M. On the saturation of classes of functions by  $(N, p_n, q_n)$  method 6, 1975, 1261-1269
- Khan, I. A. Derivation of a few solvable potentials for the Schrodinger equation 4, 1973, 90-102; Generating functions for Jacobi, Laguerre and Bessel polynomials 3, 1972, 437-442; On generalized Rice's polynomials 3, 1972, 1203-1215, On some results involving generalized hypergeometric polynomial 3, 1972, 1195-1202
- Khan, M. M. R. *See* Ahmad, Z. U. & Khan, M. M. R., 8, 1402-1406
- Khan, M. S. On the convergence of sequences of fixed points in 2-metric spaces 10, 1979, 1062-1067; Some fixed point theorems 8, 1977, 1511-1514, Some fixed point theorems in metric and Banach space 11, 1980, 413-421
- Khan, Mohd. A. L. On unsteady hydromagnetic channel flow 1, 1970, 77-86
- Khan, Mohd. A. M. Hydromagnetic flow of an electrically conducting fluid due to unsteady rotation of a porous disk over a fixed disk 3, 1972, 556-567
- Khan, Q. J. A. *See* Kapur, J. N. & Khan, Q. J. A., 9, 789-796 & 10, 277-286 & 11, 326-336 & 462-467
- Khan, R. S. *See* Mazhar, S. M. & Khan, R. S., 7, 53-65
- Khan, R. S. & Ansari, S. Integrability of trigonometric series 10, 1979, 1319-1326
- Khan, T. A. *See* Pande, H. D. & Khan, T. A., 9, 1039-1047
- Khandelwal, R. S. & Goyal, A. N. Stars with large proper motions in the

- astrographic zones  $+34^{\circ}$  and  $+35^{\circ}$  (list I) 1, 1970, 192-234; Stars with large proper motions in the astrographic zones  $+34^{\circ}$  and  $+35^{\circ}$  (list II) 1, 1970, 284-304; Stars with large proper motions in the astrographic zones  $+34^{\circ}$  and  $+35^{\circ}$  (list III) 2, 1971, 155-229
- Khandpur, S. L. & Kant, R.** Magnetohydrodynamic unsteady flow of a Maxwell fluid past a flat plate 10, 1979, 1415-1421
- Khare, H. C. & Srivastava, R. S. L.** Effect of magnetic field over the structure of turbulence 3, 1972, 21-23
- Khare, S.** Steady flow between a rotating and a porous stationary disc in the presence of transverse magnetic field 8, 1977, 808-815
- Khasbardar, S. K.** *See* Phadke, S. V., Khasbardar, S. K & Thakare, N K, 8, 335-343
- Khasbardar, S & Thakare, N.** Some counter-examples for quasinormal operators and related results 9, 1978, 1263-1270, On vectorial paranorms 7, 1976, 38-48; Spectraloid operators, similarity and related results 9, 1978, 494-500
- Khasa, D. S.** A lower bound for the lower densities of saturated systems of convex domains 6, 1975, 1422-1435; A lower bound for the lower densities of saturated systems of spheres 6, 1975, 1436-1440
- Khazanchi, L.** A note on a theorem of Putnam and Winter 7, 1976, 506-510
- Khazanchi, L. & Dass, B. K.** A fixed point theorem concerning iterates of a mapping 7, 1976, 597-601; A theorem on fixed points concerning iterates of a mapping 7, 1976, 602-609
- Khurana, S. S.** Strong measurability in Frechet spaces 10, 1979, 810-814
- Krishna Rao, J.** Cylindrically symmetric null fields in general relativity 1, 1970, 367-371
- Krishna, B.** *See* Agarwal, V. K & Krishna, B., 430-436
- Krishna, S.** *See* Mathur, B. L. & Krishna, S., 8, 1078-1082
- Krishnamurthy, C.** Some sets of amicable numbers of higher order 11, 1980, 1549-1553
- Krishnamurthy, J.** Some combinatorial results on burst codes 10, 1979, 39-42
- Krori, K. D. & Barua, J.** The gravitational field of a radiating cylinder 7, 1976, 522-526
- Krori, K. D. & Borgohain, P.** On massive neutron cores 7, 1976, 195-204, On massive neutron cores (II) 7, 1976, 541-552
- Krori, K. D. & Chakrabarty, J.** Charged bodies in general relativity 7, 1976, 1142-1148
- Krori, K. D. & Chaudhury, S.** Photon emission from cylindrical bodies 9, 1978, 134-136
- Kuchowicz, B.** Two relativistic matter distributions of radial symmetry 2, 1971, 297-300
- Kulkarni, M.** Fundamental theorem of projective geometry over a commutative ring 11, 1980, 1561-1565
- Kulkarni, V. N. & Swamy, S. R.** On the

- univalence of some analytic functions 9, 1978, 467-480; On the univalence of some analytic functions-II 9, 1978, 1131-1137
- Kulli, V. R. The block-point tree of a graph 7, 1976, 620-624; The semitotal-block graph and the total-block graph of a graph 7, 1976, 625-630
- Kulli, V. R. & Annigeri, N. S. Reconstruction of maximal minimally nonouterplanar graphs 11, 1980, 438-443
- Kumar, A. *See* Singh, R. K., Kumar, A. & Gupta, D. K., 11, 904-907
- Kumar, A. On a special bi-recurrent Finsler space 9, 1978, 1241-1247; On a special bi-recurrent Finsler space-II 9, 1978, 1248-1253; On some type of affine motion in bi-recurrent Finsler spaces-II 8, 1977, 505-513; On the existence of affine motion in a recurrent Finsler space 8, 1977, 791-800, Some theorems of affine motion in a recurrent Finsler space IV 8, 1977, 672-684; Some theorems on affine motion in a recurrent Finsler space 8, 1977, 1176-1181; Some theorems on affine motion in a recurrent Finsler space II 11, 1980, 40-53
- Kumar, A. *See* Verma, B. G. & Kumar, A., 11, 935-941
- Kumar, A. & Choudhary, B. On convergence fields of strong functional Nvrlund methods 8, 1977, 1265-1278; Strong functional Nvrlund summability 8, 1977, 1391-1401
- Kumar, I. J. & Gupta, L. N. A boundary layer approach to the 'local potential solution of diffusion type equation 2, 1971, 692-703
- Kumar, I. J. & Rajgopalan, D. Thermal stresses in a hollow cylinder due to a sinusoidal surface heating source 1, 1970, 305-319
- Kumar, K. Extension of groups 6, 1975, 356-366; Homotopy and tensor product 6, 1975, 347-355; On group structure 8, 1977, 250-252
- Kumar, M. *See* Srivastava, K. N. & Kumar, M.
- Kumar, M. *See* Srivastava, K. N., Kumar, M. & Jha, A. C., 8, 72-83
- Kumar, M. *See* Srivastava, K. N., Kumar, M. & Nath, B., 5, 201-224
- Kumar, M. Two asymmetrically placed Griffith cracks in an infinite elastic strip 10, 1979, 236-249
- Kumar, M. & Atsumi, A. External Griffith crack in transversely isotropic material 10, 1979, 259-270
- Kumar, M. & Srivastava, R. K. Some applications of triple integral equations involving inverse Mellin transforms 9, 1978, 87-100
- Kumar, P. & Paul, Y. Structure of a turbulent multicomponent mixture with first-order reactions at large wave numbers 1, 1970, 142-152
- Kumar, R. *See* Arora, S. C. & Kumar, R., 10, 307-311
- Kumar, S. *See* Srivastava, R. S. & Kumar, S., 4, 491-502
- Kumar, V. & Mathur, K. K. Convergence of the Lagrange interpolation on the extended Tchebycheff nodes 10, 1979, 695-698
- Kumbhare, P. G. *See* Karade, T. M. &

- Kumbhare, P. G., 11, 969-973
- Kumbhat, R. K. An inversion formula for an integral transform 7, 1976, 368-375
- Kumbhat, R. K. See Saxena, R. K. & Kumbhat, R. K., 5, 1-6
- Kundu, S. K. Integration of vector-valued functions 10, 1979, 617-628
- Kundu, S. K. See Bhaumik, K. N. & Kundu, S. K., 11, 758-769
- Kushwaha, R. D. S. On almost contact manifolds : Nijenhuis tensor 5, 1974, 695-700; On almost contact manifolds with a specified affine connexion 5, 1974, 246-253; see Mishra, R. S. & Kushwaha, R. D. S., 3, 735-738 & 632-639
- Kusum Rani & Jindal, S. A note on varieties generated by Hilbert spaces 7, 1976, 1119-1121
- Ladde, G. S. See Deo, S. G. & Ladde, G. S., 5, 755-757
- Lahiri, M. An associated generalized Hermite polynomial 3, 1972, 92-95
- Lakhani, G. D. Blaschke product for operator-valued analytic functions 5, 1974, 868-874
- Lakshmi, A. Relative cohomology of locally compact groups 1, 1970, 470-480
- Lal Bahadur Banach space of vector-valued Lipschitz function 6, 1975, 147-150
- Lal Bahadur Total manifolds and reflexivity in normed linear spaces 6, 1975, 144-146
- Lal, C. On the sum of Appell function  $F_a$  6, 1975, 624-627
- Lal, J. See Singh, B. & Lal, J., 9, 101-115
- Lal, K. B. & Agrawal, P. Relative curvature tensors of subspace of a Finsler space 2, 1971, 769-777
- Lal, K. B. & Pradhan, A. Some plane wave-like solutions of weakened field equations in a generalized Peres space-time 8, 1977, 268-272
- Lal, R. See Gupta, U. S. & Lal, R., 10, 347-346 & 11, 149-159
- Lal, R. N. Uniform posets 6, 1975, 1526-1533
- Lal, S. N. & Ram, R. D. On the localization of the summability  $| (R, \lambda_m, 1) (C, r) |$  of the  $r$ th derived series of a Fourier series 10, 1979, 1343-1350
- Lal, S. N. & Singh, K. N. Allied integral and absolute functional Nvrlund method of summability 11, 1980, 1617-1625
- Lal, S. N. & Siya Ram On the absolute summability of a trigonometric integral by a functional Nvrlund method 5, 1974, 875-883
- Lalitha, R. The ideal structure in the space of entire functions with coefficients in a Banach algebra 1, 1970, 1-7
- Lamba, R. C. See Narang, H. N. & Lamba, R. C.
- Lee, W. Y. On a problem of Kato on the  $L^2$ -continuity of some pseudodifferential operators of multiple symbol 11, 1980, 279-286
- Lin, J. S. See Chen, L. S., Yeh, C. C. & Lin, J. S., 9, 270-274
- Lipton, S. See Iyer, P. V. K. & Lipton, S., 4, 826-837



- Madan Mohan** Generalized fractional integral operators 5, 1974, 811-814
- Madan, B. L.** *See* Jain, R. K., Ganguly, A. & Madan, B. L., 9, 282-289
- Madhekar, H. C.** *See* Thakare, N. K. & Madhekar, H. C., 11, 1649-1664
- Mahajan, G. B.** Determination of phase shifts for Yukawa potential function 8, 1977, 574-577; Transformations of the function of several variables 7, 1976, 675-681
- Mahalanabis, M.** On the propagation of magneto-visco-elastic waves in a half-space of Voigt type of material 7, 1976, 66-72
- Mahanti, P. K.** A numerical solution of the Klien-Gordon equation by the finite element method 7, 1976, 342-346
- Mahanti, P. K.** *See* Jain, P. C. & Mahanti, P. K.
- Mahanti, P. K. & Jain, P. C.** A finite element formulation of diffusion equation 4, 1973, 770-774
- Mahapatra, B. S.** *See* Rath, R. S. & Mahapatra, B. S., 6, 1007-1012
- Mahapatra, P. C.** A note on Riesz mean 11, 1980, 1434-1443
- Maheshwari, N. K.** *See* Pradhan, K. M. & Maheshwari, N. K., 9, 923-927
- Mahto, K. R.** *See* Gadamsi, A. M. & Mahto, K. R., 9, 653-660
- Maiti, P. C.** Quasi-static thermal deflection of a thin clamped circular plate subjected to random temperature distribution on its upper face 9, 1978, 541-547
- Maitra, S. N.** A number of spinning rotors mounted on a rigid body 9, 1978, 1197-1213
- Majumdar, M. & Debnath, L.** On forced oscillations in a rotating stratified liquid 6, 1975, 1534-1546
- Majumdar, R.** On the vibratory behaviour of fluid in a parabolic container 3, 1972, 192-210
- Majumdar, S. K.** Computation of the numerical coefficients of series expansions through pattern recognition 6, 1975, 476-488, On a non-linear differential equation of stellar atmospheres 2, 1971, 762-768, On Pade's approximation of order (2, 4) to hypergeometric function  $F(\alpha, \beta, \gamma, x)$  4, 1973, 821-825
- Majumdar, S. K. & Mandal, M.** On a difficulty of constructing Pade approximation of order  $(n, n)$  to the hypergeometric function  $F(\alpha, \beta, \gamma, x)$  7, 1976, 1195-1198
- Majumdar, S. K. & Sinha, D. P.** A note on pade approximation of order  $(m, n)$  to the hypergeometric function  $(\alpha, \beta, \gamma, x)$  8, 1977, 627-636
- Majumdar, S. K. & Sur, B. N.** On the convergence of an infinite continued fraction arising from Chebyshev equation 5, 1974, 361-363
- Majumder, S. K.** *See* Ghosh Dastidar, D & Majumder, S. K., 4, 155-160
- Malhotra, A. M.** Some bounds on linear codes 8, 1977, 969-976
- Mallik, S. B.** On disturbances in a visco-elastic medium of voigt type in contact with a liquid medium and subjected to a magnetic field 1, 1970, 389-395

- Malurkar, S. L.** Criterion of instability of top heavy fluid layers 2, 1971, 597-609
- Man Mohan & Mitter, J.** On a mixed boundary value problem in elasticity 9, 1978, 960-964
- Man Mohan** See Sharma, B. D. & Man Mohan, 9, 987-992
- Mandal, B. N.** Diffraction of waves by two-part sphere 4, 1973, 533-544
- Mandal, M.** See Majumdar, S. K. & Mandal, M., 1, 1195-1198
- Mandal, S. B.** Diffraction of elastic pulses by a rigid half-plane 5, 1974, 594-600
- Manglik, R. C.** Some finite summations involving H-function I 7, 1976, 516-521
- Manju Lata** Strong pseudo-convex programming in Banach space 6, 1975, 45-48
- Manocha, H. L.** See Rao, A. B. & Manocha, H. L.
- Manocha, H. L. & Jain, S.** Some generating functions by means of Cauchy's integral formula 8, 1977, 1472-1479
- Manocha, H. L. & Rao, A. B.** On a polynomial of the form FD 5, 1974, 650-660; On a theorem by Brown 5, 1974, 166-170
- Manocha, M. S.** Conductive heat transfer between two concentric spheres with internal degrees of freedom 6, 1975, 1207-1214
- Manocha, P. S.** Heat transfer of rarefied gas in plane couette flow using ellipsoidal model 6, 1975, 504-511
- Mariyappa, B. V.** See Rudraiah, N. & Mariyappa, B. V., 5, 321-326
- Marwah, I. J.** Conjugate problem of heat transfer in a sweat cooled porous hollow cylinder through which hot fluid is flowing 7, 1976, 407-412; On the conjugate problem of unsteady heat transfer in a transpiration cooled porous plate 3, 1972, 807-814
- Masood, S.** On a property of the generalized Hankel transformation 3, 1972, 700-703
- Masood, S. & Kapoor, V. K.** On a generalization of Hankel transform and self-reciprocal functions 3, 1972, 32-40
- Masood, S. & Srivastava, M. M.** On the formal solution of dual equations of two variables 1, 1970, 119-126
- Massod, M. A.** See Ghoshal, S. K. & Massod, M. A., 5, 297-310
- Mathai, S.** Prolongation of f-structure to tangent bundle of order 2 6, 1180-1184
- Mathur, A. K.** See Verma, P. D. & Mathur, A. K., 4, 133-138 & 6, 1514-1525
- Mathur, B. L. & Krishna, S.** On multivariate functional integration operators 8, 1977, 1078-1082
- Mathur, K. K.** See Kumar, V. & Mathur, K. K., 10, 695-698
- Mathur, M. N.** Laminar free convection flow of an elastico-viscous liquid from a non-uniformly heated vertical flat plate 1, 1970, 64-76
- Mathur, S.** On axially symmetric self-superposable flows of the type

- $\text{curl } \vec{H}_1 = \lambda_2 \vec{H}_2$  and  $\text{curl } \vec{H}_2 = \lambda_1 \vec{H}_1$  2, 1971, 87-94
- Mathur, S. B.** Conformal spaces and curvature tensors 2, 1971, 29-31
- Mathur, S. L.** *See* Goyal, S. P. & Mathur, S. L., 5, 343-352, 7, 76-85 & 347-358
- Mathur, Y. D.** A source coding theorem for double distortion measure 7, 1976, 710-716
- Mazhar, S. M.** On generalized quasi-convex sequence and its applications 8, 1977, 784-790; On the absolute summability factors of infinite series 3, 1972, 840-854; On the absolute summability of a series associated with a Fourier series 4, 1973, 51-57
- Mazhar, S. M. & Khan, R. S.** Integrability theorems for Dirichlet series with positive coefficients 7, 1976, 53-65
- Mazumdar, H. P.** Some criteria of decay process of Chandrasekhar's equation of decay for hydromagnetic turbulence 5, 1974, 364-373
- Mehdi, J.** On some commutator identities in finite groups 9, 1978, 918-922
- Meher, F. M.** *See* Misra, R. B. & Meher, F. M., 3, 219-225 & 6, 522-526
- Mehrotra, T. J. & Bajpai, S. K.** On the univalence of a certain integral 5, 1974, 186-191
- Mehrotra, T. J. S.** *See* Bajpai, S. K. & Mehrotra, T. J. S., 4, 66-72 & 5, 902-908
- Mehta, M. L. & Cloizeaux, J. Des** The probabilities for several consecutive eigenvalues of a random matrix 3, 1972, 329-351
- Mehta, M. N. & Verma, A. P.** A singular perturbation solution of double phase flow due to differential wettability 8, 1977, 523-526
- Menon, P. K.** Matrices associated with regular simplices and their applications to designs 5, 1974, 47-100; On functions associated with Vaidyanathaswamy's algebra of classes mod  $n$  3, 1972, 118-141; On a generalization of Jacobi's fundamental formulae in theta functions 3, 1972, 904-916
- Miah, S. H.** Note on radicals to determine isomorphism of group algebras 6, 1975, 888-900
- Mishra, B. N. & Choudhary, R. C.** Axisymmetric stagnation point flow with uniform suction 3, 1972, 370-378
- Mishra, K. N.** *See* Tripathi, L. M. & Mishra, K. N., 9, 167-174
- Mishra, R. S. & Singh, S. D.** Some properties of pseudo  $H$ -projective curvature tensor in a differentiable manifold equipped with KH-structure 6, 1975, 444-450
- Mishra, R. S.** On Sasakian manifolds 1, 1970, 98-106; Certain specified structures in a differentiable manifold 7, 1976, 885-896; Conharmonic curvature tensor in Riemannian, almost Hermite and Kahler manifolds 1, 1970, 330-335; Electromagnetic tensor fields in general relativity 11, 1980, 588-608; On almost contact manifolds 5, 1974, 156-165; On Sasakian manifolds II 3, 1972, 739-749
- Mishra, R. S.** *See* Gulab Ram & Mishra, R. S., 8, 637-647

- Mishra, R. S. See Pal, R. B. & Mishra, R. S., 11, 628-632
- Mishra, R. S. See Ram Hit & Mishra, R. S., 3, 801-806
- Mishra, R. S. See Rathore, M. P. S. & Mishra, R. S., 6, 158-165, 219-226, 755-764 & 1031-1037 & 7, 1466-1471
- Mishra, R. S. See Singh, R. N. & Mishra, R. S., 8, 84-89 & 9, 1033-1038
- Mishra, R. S. Some properties of  $H$ -projective curvature tensor in a Kahler manifold 1, 1970, 336-340
- Mishra, R. S. & Kushwaha, R. D. S. On almost complex manifolds 3, 1972, 735-738; On almost product and almost decomposable manifolds 3, 1972, 632-636
- Mishra, R. S. & Newal Kishore A statistical theory for weak homogeneous turbulence 5, 1974, 724-732
- Mishra, R. S. & Pandey, H. B. On  $(F, G)$ -structure manifolds 7, 1976, 1371-1380; On conharmonic curvature tensor 7, 1976, 156-162; Structure defined by a tensor field  $\phi(\neq 0)$  of type  $(1, 1)$  satisfying  $\phi^p \pm \phi^{p-2} = 0$  7, 1976, 265-277
- Mishra, R. S. & Pandey, S. B. On birecurrent complex and almost complex manifolds 5, 1974, 1033-1043; On birecurrent Kahler manifold 6, 1975, 879-887; On general differentiable structure, Nijenhuis tensor 7, 1976, 328-336; On  $H$ -conharmonic curvature tensor in Kdhler manifolds 7, 1976, 1277-1287
- Mishra, R. S. & Pandey, S. N. Semi-symmetric metric connections in an almost contact manifold 9, 1978, 570-580
- Mishra, R. S. & Pokhariyal, G. P. Curvature tensors in Riemannian manifold 2, 1971, 529-532
- Mishra, R. S. & Quraishi, R. Collineation and motion in an electromagnetic field with induction 7, 1976, 698-700
- Mishra, R. S. & Ram Babu Propagation and growth of weak discontinuities in magnetogasdynamics in the presence of dissipative mechanisms 1, 1970, 506-511
- Mishra, R. S. & Ram Hit Almost complex manifolds-III 3, 1972, 273-277, On almost complex spaces 2, 1971, 344-348, On almost Hermite spaces 2, 1971, 330-334; On almost Hermite spaces 3, 1972, 268-272
- Mishra, R. S. & Singh, S. D. On GF-structure 6, 1975, 1317-1325
- Mishra, R. S. & Singh, S. D. On pseudo  $H$ -curvature tensors in a differentiable manifold  $V_{2m}$  equipped with  $KH$ -structure 8, 1977, 1525-1530; Pseudo  $H$ -projective changes in GF-structure 6, 1975, 1309-1316
- Mishra, R. S. & Upadhyay, U. S. On growth of propagation of shock wave 4, 1973, 734-744
- Mishra, R. S., Pandey, S. B. & Sharma, U. On Kählerian submanifold with vanishing Bochner curvature tensor 9, 1978, 1291-1297
- Mishra, R. S., Srivastava, J. P. & Rai, S. P. Para  $f$ -structure in tangent bundle 9, 1978, 1275-1281
- Mishra, S. Various type of dislocation of the elastic material 8, 1977, 18-28

- Mishra, S. D. *See* Gupta, R. K. & Mishra, S. D., 8, 1431-1444
- Mishra, S. K. & Verma, A. P. A similarity solution for the flow of two immiscible fluids with mean pressure 6, 1975, 539-545; Similarity analysis of fingero-imbibition in double phase flow through under-ground porous medium 6, 1975, 746-754
- Mishra, S. K., Verma, S. P. & Shah, D. C. A mathematical model for imbibition in double phase flow through porous medium with capillary pressure 7, 1976, 425-430
- Mishra, S. N. On common fixed points in uniform spaces II 9, 1978, 26-31; On sequences of mappings and fixed points in uniform spaces II 10, 1979, 699-703, Remarks on some fixed point theorems in bimetric spaces 9, 1978, 1271-1274
- Mishra, S. P. & Mohapatra, P. Magnetohydrodynamic flow of a rarefied gas near a time-varying accelerated plate 6, 1975, 14-28; Magnetohydrodynamic unsteady free convection flow past a vertical porous plate 6, 1975, 901-917
- Mishra, S. P. & Das, G. C. Free connection flow of non-Newtonian fluids between parallel walls 5, 1974, 585-593
- Mishra, S. P. & Mohapatra, U. Combined free and forced convection flow of an elastico-viscous liquid past a hot porous circular cylinder 7, 1976, 249-256
- Mishra, U. N. *See* Singh, P., Sharma, V. P. & Mishra, U. N., 9, 182-183
- Misra, A. *See* Ray, B. K. & Misra, A., 11, 1482-1486
- Misra, A. P. Some expansion formulae for the G-function and Fox's  $H$ -function involving Jacobi polynomials 5, 1974-171-178
- Misra, J. C. Thermal stresses due to an internal source of heat in a solid elastic hemisphere with radiating curved surface and the plane base resting on a smooth rigid insulating plane surface 3, 1972, 612-621, Thermal stresses in a long aeolotropic cylinder having a source of heat at a point inside it, the curved surface being exposed to heat radiation 2, 1971, 143-154
- Misra, N. On the rate of convergence of the Hermite-Fejer process on the Tchebycheff matrix of the second kind 11, 1980, 1329-1333
- Misra, O. P. Some Abelian theorems for the distributional Meijer-Laplace transformation 3, 1972, 241-247
- Misra, R. B. A bi-recurrent Finsler manifold with affine motion 6, 1975, 1441-1448
- Misra, R. B. & Meher, F. M. CA-motion in a  $PS-F_n$  6, 1975, 522-526, On the existence of affine motion in a  $HR-F_n$  3, 1972, 219-225
- Misra, S. B. *See* Prasad, G., Gangwar, S. S. & Misra, S. B., 10, 204-208
- Misra, S. B. & Dubey, V. J. Some theorems on infinitesimal conformal transformation in projective symmetric Finsler space 11, 1980, 54-59
- Mital, K. V. Stresses and deformation in shallow spherical shells 2, 1971, 349-366

- Mital, K. V. & Tripathi, P. S.** Shallow spherical shell under equal and opposite point loads along a diameter of the circular boundary **4**, 1973, 481-490; Stresses and deformations in a shallow spherical shell with elliptic base projection **3**, 1972, 1299-1310
- Mital, P. K.** See Gupta, K C & Mital, P K., **5**, 430-437
- Mittal, M. L.** See Prasad, G & Mittal, M L, **9**, 1076-1082
- Mitter, J.** See Man Mohan & Mitter, J.
- Modi, G. C.** Operational representations of the generalized Lauricella function of several variables **8**, 1977, 7 891-897
- Mohamed, A. El M.** See Shehawey, E F. El & Mohamed, A. El M, **8**, 648-655
- Mohamed, S.** Semilocal  $q$ -rings **1**, 1970, 419-424
- Mohansingh, R.** See Muthuswamy, V P & Mohansingh, R., **6**, 975-988
- Mohanty, S. P. & Rao D.** A family of hypo-Hamiltonian generalized prisms **11**, 1980, 1554-1560
- Mohapatra, P.** See Mishra, S. P. & Mohapatra, P., **6**, 14-28 & 901-917
- Mohapatra, U.** See Mishra, S. P. & Mohapatra, U., **7**, 249-256
- Moharir, S. K. & Saxena, R. K.** A new generalization of Tricomi's theorem **10**, 1979, 878-885
- Monga, M. L.** On a class of starlike functions in the unit disc II **8**, 1977, 157-165
- More, S. V.** The symmetric free vibrations of a thin elastic plate with initial condition as a generalized function **10**, 1979, 431-436
- Morsy, M. S.** A note on Adams operations **11**, 1980, 974-982; The geometric relationship between the quadruple  $(P_{n+1}(C), Q_n(C), P_{n+1}(R), V_{n+2,2}(R))$  **11**, 1980, 433-437
- Mourya, D. P.** Analytic continuations of generalized hypergeometric functions of two variables **1**, 1970, 464-469
- Mukherjee, R. N.** A Hille-Yosida-Phillips type of theorem for semigroups in a locally convex space **9**, 1978, 718-721, A note on similarity of operators and related results **11**, 1980, 518-521, A note on subnormal operators with finite rank self-commutator **10**, 1979, 505-507; Mixed semigroups of operators on a locally convex space **10**, 1979, 859-866, On reducing subspaces of completely non-normal operators **10**, 1979, 493-495
- Mukherjee, R. N.** See Bose, R. K & Mukherjee, R. N, **11**, 1130-1138
- Mukherjee, S.** See Debnath, L., Mukherjee, S. & Bagchi, K. K.
- Mukherjee, S. K.** Self-information and information **8**, 1977, 977-986
- Mukhopadhyay, D.** Stresses in semi-infinite strip under symmetric load on the lateral sides **8**, 1977, 663-671
- Mukhuty, S. K.** Some coupled thermoelastic problems concerning elastic half-space **8**, 1977, 466-478
- Murakami, H. & Yeh, C. C.** Fixed point theorems under generalized contractive mappings **10**, 1979 426-430

- Murgai, M. P.** *See* Varma, R. K. & Murgai, M. P., 6, 931-974
- Mursaleen** On infinite metrics and invariant means 10, 1979, 457-460
- Murthy, K. N.** *See* Rao, D. R. K. S., Murthy, K. N. & Rao, A. S., 11, 1369-1371
- Murthy, K. N. V.** Hall current effects on Hartmann-Stokes layers 11, 1980, 1515-1529
- Murthy, S. N.** Motion of a charged particle in a superposed cylindrical cusp field and biconical cusp field 6, 1975, 727-734
- Murty, G. S. R. C.** *See* Rao, R. S. R. C. & Murty, G. S. R. C., 11, 749-757
- Mutalik, P. K.** On selection of predictors for a given corrector in the solution of ordinary differential equations 6, 1975, 668-680
- Muthukumar, S.** A note on best and best simultaneous approximations 11, 1980, 715-719; also *see* 11, 1293-1296
- Muthuswamy, V. P. & Mohansingh, R.** Fatigue fracture of a rotating cylinder 6, 1975, 975-988
- Nagore, S. H.** *See* Parvatham, R. & Nagore, S. H., 7, 1178-1184
- Naidu, K. B.** On the application of radiation condition for a source in a rotating stratified fluid 10, 1979, 590-596; Stratified viscous flow between two oscillating cylinders 5, 1974, 1127-1136; Viscous stratified flow in an oscillating cylinder 10, 1979, 1107-1115
- Naidu, S. V. R.** *See* Sastry, K. P. R. & Naidu, S. V. R., 9, 722-727 & 10, 928-937
- Naik, K. V.** A note on a theorem of Ray and Singh 10, 1979, 508-510
- Nair, V. C.** A theorem on the Laplace transform which helps to evaluate multiple integrals and solve integral equations involving multiple integration 3, 1972, 986-991
- Namoodiri, A. V.** *See* Rath P. D. & Namoodin, A. V., 396-418
- Nanda, S. & Nayak, K. C.** Some new sequence spaces 9, 1978, 836-846
- Nandan, K., Doherey, R. P. & Srivastava, R. S. L.** On the generalized type and generalized lower type of an entire function with index pair  $(p, q)$  11, 1980, 1424-1433; Proximate order of an entire function with index pair  $(p, q)$  11, 1980, 33-39
- Nandy, S. C.** On the unsteady flow of fluid between two parallel plates acted upon by an electric field 3, 1972, 890-895
- Nangia, A. K.** *See* Biswas, R. N., Nangia, A. K. & Viswanathan, K., 7, 359-367
- Narain, D.** *See* Sinha, B. B. & Narain, D., 9, 753-760 & 1298-1304
- Narain, S.** *See* Roy, S. R. & Narain, S., 10, 768-781
- Narang, H. N. & Lamba, R. C.** Heat and mass transfer in a porous plate placed in fluid flow 3, 1972, 50-63
- Narang, T. D.** Nearly compact sets and the farthest point map 9, 1978, 116-118, On distance sets 7, 1976, 1137-1141
- Narasimha Rao, P. V. & Sastry, U. A.** Heat transfer problems of forced convection in non-circular ducts 11, 1980, 336-346; Slow steady flow of a

- viscoelastic fluid through non-circular ducts 11, 1980, 1687-1695
- Narasimhan, M. N. L. & Sra, K. S.** Generalized measures of deformation rates in viscoelasticity and their application to helical flows 2, 1971, 549-560
- Nasr, M. A.** On convex combination of certain analytic functions 6, 1975, 337-346
- Nassif, M.** Goncarov polynomials generating functions of two complex variables 9, 1978, 548-555
- Nassif, M. & Adepoju, J. A.** A polynomial set related to Goncarov polynomials 11, 1980, 1665-1672
- Nath, B.** See Srivastava, K. N. & Nath, B., 3, 313-321
- Nath, B.** See Gupta, H. & Nath, B., 4, 545-567
- Nath, B.** See Srivastava, K. N., Kumar, M. & Nath, B., 5, 201-204
- Nayak, K. C.** See Nanda, S. & Nayak, K. C., 9, 836-846
- Nayak, S. K.** See Rath, R. S. & Nayak, S. K., 7, 737-750
- Nayar, B. M.** Induced potential problem in three dimensions 8, 1977, 401-411; Induced potential problem in three dimensions-II (Properties of the adjoint kernel) 9, 1978, 119-133, Mixed boundary value problem in three dimensions 6, 1975, 303-309
- Neustadter, S. F.** The time dependent Poisson queue and moving boundary problems for the heat and wave equation 10, 1979, 567-580
- Newal Kishore** See Mishra, R. S. & Newal Kishore, 5, 724-732
- Nitsure, N.** A generalization of the Newton-Cartan theory of gravitation 11, 1980, 805-818
- Niyogi, P., Haldar, K. & Chakraborty, S. K.** Transonic flow field for parabolic spindless by method of characteristics 8, 1977, 44-53
- Northover, F. H.** See Ross, B. & Northover, F. H., 9, 400-406
- Ojha, R.** On the M-projective curvature tensor 8, 1977, 1531-1534
- Ojha, S. N.** On a finite integral transform with  $q$ -dimensional Bessel function as Kernel 8, 1977, 1505-1510, see Prasad, G. & Ojha, S. N., 8, 741-751
- Olkha, G. S.** On multiple integrals for Meijer's  $G$ -function 3, 1972, 366-369, Some finite expansions for the  $H$ -functions 1, 1970, 425-429
- Om Prakash** Slow unsteady flow in axisymmetric tube of varying radius 8, 1977, 843-850
- Om Prakash & Rajvanshi, S. C.** Fluctuating laminar flow past a naturally permeable bed 9, 1978, 728-738
- Pachpatte, B. G.** Quantitative stability of integro-differential equations in Banach spaces 4, 1973, 696-704; A note on continuability and boundedness of solutions of certain second order integrodifferential equations 8, 1977, 1062-1067, Bounds for solutions of integro-differential equations in Banach spaces 6, 1975, 87-92; Common fixed point theorems for mappings satisfying rational inequalities 10, 1979, 1362-1368,



- Finite difference inequalities and discrete time control systems 9, 1978, 1282-1290, Finite difference inequalities and quantitative stability analysis of difference equations 5, 1974, 457-463, On a class of integral inequalities of Bellman Bihari type 7, 1976, 1166-1177, On a nonlinear integro-difference-differential equation 6, 1975, 765-768; On some integral inequalities of the Gronwall-Bellman type 6, 1975, 769-772, On Ciric type maps with a nonunique fixed point 10, 1979, 1039-1043; On some discrete inequalities of the Bellman-Behari type 6, 1975, 1479-1487; On some integral inequalities and their applications to integrodifferential equations 8, 1977, 1157-1175, On some new discrete inequalities involving partial sums 9, 1978, 640-647; On some new integral inequalities and their discrete analogues 8, 1977, 1093-1107; On some new integral inequalities involving functions and their derivatives 11, 1980, 1039-1044, On the asymptotic behaviour of solutions of perturbed difference equations 5, 1974, 278-282; On the boundedness of solutions of difference-differential equations in Hilbert space 6, 1975, 93-97; *See* Singare, S. M. & Pachpatte, B. G.; Stability problems of perturbed difference equations with retarded argument 6, 1975, 80-86
- Padmanabhan, K. S. & Parvatham, R.** On functions with bounded boundary rotation 6, 1975, 1236-1247
- Pai, D. V. & Veeramani, P.** Fixed point theorems for multi-mappings 11, 1980, 891-896
- Paik, P. & Bhonsle, B. R.** An expansion problem in a Dirichlet normed space 8, 1977, 938-943
- Pal, A. K.** On the mechanical response in a pre-energized inhomogeneous piezoelectric transducer 3, 1972, 593-602
- Pal, R. B. & Mishra, R. S.** Hypersurfaces of almost hyperbolic Hermite manifolds 11, 1980, 628-632
- Paladhi, B. R.** On null points and null vectors associated with a second order differential system 5, 1974, 1049-1062
- Palaiya, R. M.** *See* Srivastava, K. N., Choudhary, A. & Palaiya, R. M., 10, 147-157 & 633-645
- Palaiya, R. M.** Two-strip cracks in an elastic layer bonded to dissimilar half spaces 4, 1973, 670-679
- Palekar, M. G.** *See* Gopalakrishnan Nair, C. V. & Palekar, M. G., 6, 1507-1513
- Paliya, R. M. & Srivastava, K. N.** Asymmetric distribution of thermal stress in a solid weakened by an external crack 3, 1972, 1086-1098
- Pan, D. K.** Some criteria of Stewart-Townsend and Ogura-Meakoda equations for decay of isotropic turbulence, 1, 1970, 320-324
- Pande, G. C.** Effect of suction on hydromagnetic flow near an accelerated plate 7, 1976, 1487-1496; Effect of suction on unsteady free convection flow past a vertical flat plate 6, 1975, 819-823; Unsteady thermal boundary layer flow past a porous flat plate 4, 1973, 186-192
- Pande, H. D.** Recurrent Finsler spaces of third order 7, 1976, 1332-1336

- Pande, H. D. & Dubey, V. J.** Decomposition of Berwald's curvature tensor field in generalized 2-recurrent Finsler space 10, 1979, 33-38
- Pande, H. D. & Dwivedi, B. D.** A general decomposition of curvature tensor field  $K_{ijk}$  in recurrent Areal space of second order 10, 1979, 461-466; Decomposition of curvature tensor field  $K_{ijk}$  in recurrent Areal space 10, 1979, 26-32; On conformal transformation in Areal space 10, 1979, 1031-1038
- Pande, H. D. & Gupta, K. K.** Some special properties of  $R_{\eta k}^h$  and  $Q_{\eta k}^h$  in recurrent Finsler spaces 10, 1979, 1020-1030
- Pande, H. D. & Khan, T. A.** Lie derivative in special Kawaguchi space 9, 1978, 1039-1047
- Pande, H. D. & Shukla, H. S.** On infinitesimal conformal transformation in a Finsler space 8, 1977, 288-294; On the decomposition of curvature tensor fields  $K_{jkh}^i$  and  $H_{jkh}^i$  in recurrent Finsler spaces 8, 1977, 418-424
- Pande, H. D. & Singh, B.** On existence of the affinely connected Finsler space with recurrent tensor fields 8, 1977, 295-301
- Pande, H. D. & Tripathi, S. D.** On generalised K-recurrent Finsler spaces with a symmetric non-zero recurrence tensor field 8, 1977, 282-287
- Pandey, B. C.** On point explosion in an inhomogeneous medium 2, 1971, 518-528
- Pandey, B. D.** See Ram, R. & Pandey, B. D., 10, 950-958
- Pandey, B. M.** See Tiwary, A. K. & Pandey, B. M., 6, 276-281
- Pandey, B. S.** On the convergence factors of Hermite series 2, 1971, 1-6
- Pandey, G. S.** On the Nörlund summability of Fourier series 8, 1977, 412-417
- Pandey, G. S. & Beohar, B. K.** On Nörlund summability of Jacobi series 9, 1978, 501-510
- Pandey, H. B.** On GF-hypersurfaces 10, 1979, 548-558
- Pandey, H. B.** See Mishra, R. S. & Pandey, H. B., 7, 1371-1380 & 265-277
- Pandey, R. N.** See Rai, K. N. & Pandey, R. N., 6, 1113-1126
- Pandey, R. N.** See Tripathi, G., Pandey, R. N. & Singh, Lalji, 1, 512-523
- Pandey, R. N. & Singh, Lalji** The motion of a fluid due to a moving source of heat at the boundary 1, 1970, 52-63
- Pandey, S. B.** See Mishra, R. S. & Pandey, S. B., 5, 1033-1043, 6, 879-887 & 7, 328-326, 1277-1287
- Pandey, S. B.** See Mishra, R. S., Pandey, S. B. & Sharma, U., 9, 1291-1297
- Pandey, S. N.** Gravitational fields of three types of objects 6, 1975, 109-114, On a generalized Peres space-time 7, 1976, 1213-1220; On plane wave-like solutions of non-symmetric unified field theories 8, 1977, 129-136, On weakened field equations in general relativity 7, 1976, 32-37

- Pandey, S. N. *See* Gupta, Y. K. & Pandey, S. N., 6, 1388-1392
- Pandey, S. N. *See* Mishra, R. S. & Pandey, S. N., 9, 570-580
- Pandey, S. N. & Sharma, S. P. Plane symmetric space-time of class-I and electromagnetism 10, 1979, 1389-1396
- Pandeya, B. M. *See* Tiwari, A. K. & Pandeya, B. M., 9, 941-949
- Panja, C. & Samanta, S. K. On determination of a common fixed point 11, 1980, 120-127
- Pant, J. C. Viscous and thermal effects on Rankine-Hugoniot jump conditions 8, 1977, 273-277
- Paramhans, S. A. *See* Tiwari, A. K. & Paramhans, S. A., 8, 1415-1419
- Parashar, O. P. & Goyal, A. N. Dual integral equations involving the generalized function  $A^*[x, y]$  4, 1973, 259-266; On integrals involving products of classical polynomials and Fox  $H$ -function 5, 1974, 802-810
- Parasher, V. K. *See* Ahmad, Z. U. & Parasher, V. K., 7, 713-724
- Parida, J. & Sahoo, B. On the complementarity problem over polyhedral cone 11, 1980, 838-845
- Parmar, A. K. *See* Prasanna, S., Parmar, A. K. & Buch, S. B., 10, 467-469
- Parvatham, R. *See* Padmanabhan, K. S. & Parvatham, R., 1236-127
- Parvatham, R. & Nagore, S. H. Characteristics function of a meromorphic function  $f$  and differential monomials in  $f$  7, 1976, 1178-1184
- Parvathamma, S. *See* Devanathan, R. & Parvathamma, S., 11, 507-517
- Patel, C. M. *See* Agrawal, S. R. & Patel, C. M., 924-932
- Patel, J. M. Operators having finite spectrum 11, 1980, 897-903
- Patel, L. K. Radiating Demianski-type space-times 9, 1978, 1019-1026
- Patel, M. D. Relativistic equations for axisymmetric gravitational collapse with escaping neutrinos 10, 1979, 1374-1382
- Patel, S. M.  $k$ -paranormal operators 7, 1976, 631-634
- Pateriya, M. P. Internal heat generation in an infinite plate with a transverse circular cylindrical hole 8, 1977, 1340-1346, Unsteady flow of a dusty viscous liquid through elliptic ducts 7, 1976, 647-657
- Pathak, A. Approximation of a function by a singular integral in  $L_1$ -norm 10, 1979, 389-393
- Pathak, L. *See* Pathak, R. S. & Pathak, L., 3, 858-870
- Pathak, M. P. *See* Johri, V. B. & Pathak, M. P., 10, 496-501
- Pathak, N. *See* Gupta, A. P. & Pathak, N., 9, 358-370
- Pathak, R. S. *See* Chaubey, H. D. & Pathak, R. S., 7, 757-768
- Pathak, R. S. *See* Singh, J. P. & Pathak, R. S., 8, 314-319 & 696-701
- Pathak, R. S. Some theorems on Whittaker transforms 4, 1973, 308-317; Zeros of cross product of Whittaker

- functions  $1/m/\text{large}$  7, 1976, 1346-1350
- Pathak, R. S. & Pathak, L.** The stability of dissipative couette flow when an axial and a transverse magnetic field are present 3, 1972, 858-870
- Pathak, R. S. & Prasad, V.** The solution of dual integral equations involving H-functions by a multiplying factor method 3, 1972, 1099-1107
- Pathak, S. K. & Chaturvedi, M. C.** Hydrodynamic stability of a lamnar boundary layer over a flexible surface with constant suction 7, 1976, 1013-1023; Oscillatory flow over a porous flexible surface with suction 7, 1976, 1472-1486
- Pathan, M. A.** On some transformation of triple hypergeometric series  $F^{(3)}$ -II 9, 1978, 648-652; On some transformations of triple hypergeometric series  $F^{(3)}$  9, 1978, 371-376; On some transformations of triple hypergeometric series  $F^{(3)}$ -III 9, 1978, 1113-1117
- Pathania, R. C.** See Gupta, J. R. & Pathania, R. C.
- Patil, D. A. & Thakare, N. K.** On coefficient bounds of  $p$ -valent  $\gamma$ -spiral functions of order  $\alpha$  10, 1979, 842-853; On extreme points of functions of order  $\alpha$  with positive real part and related results 9, 1978, 1353-1358; On univalence of certain integrals 11, 1980, 1626-1642; Bilateral generating function for a function defined by generalized Rodrigue's formula 8, 1977, 425-429; New operational formulas and generating functions for Laguerre polynomials 7, 1976, 1104-1118; Some generating functions in unified form for the classical orthogonal polynomials and Bessel polynomials 8, 1977, 94-102
- Patil, S. J.** See Sarangi, S. M. & Patil, S. J., 10, 6-13
- Patni, G. C. & Atolia, R. N.** A note on the unsteady flow of viscoelastic fluids through tubes with cross-section as a sector of a circle and as a sector of coaxial circular ducts 10, 1979, 1277-1283; A study of the flow of an incompressible Oldroyd liquid between two porous walls at slightly variable distance from each other with distributed suction 6, 1975, 1393-1411; Study of the plane Couette flow of waters' B' liquid with uniform suction at the stationary plate 5, 1974, 677-692
- Patni, G. C. & Rawat, M. L.** Steady flow of an Oldroyd-A fluid through an annulus between two coaxial elliptic cylinders with porous walls 5, 1974, 283-296
- Patra, B.** Mixed boundary value problem for an elastic wedge 8, 1977, 139-156; On the absolute  $L$ -summability of the  $r$ th derived Fourier series 8, 1977, 728-737; On the completeness of generalized eigen function expansion associated with Bessel functions with respect to order 11, 1980, 885-890; Some two-dimensional punch and crack problems in an infinite elastic strip 5, 1974, 374-387
- Patwardhan, G. A.** See Rao Hebbare, S. P. & Patwardhan, G. A., 8, 309-313
- Patwardhan, G. A.** See Sane, S. S. & Patwardhan, G. A., 8, 238-246
- Patwardhan, G. A. & Vartak, M. N.** Orderly representations of

- permutations and combinations 3, 1972, 1053-1057
- Patwardhan, G. A. & Vartak, M. N.** The Hasse-Minkowski invariant of the 2-adjugate of matrix 5, 1974, 438-445
- Patwardhan, G. A.** *See* Hebbare, S. P. R., Patwardhan, G. A. & Vartak, M. N., 7, 692-697
- Paul, B. B.** Cylindrically symmetric fluid distribution and magnetic energy in general relativity 7, 1976, 850-853; Electro-scalarly charged fluid spheres in general relativity 11, 1980, 1055-1059; Tangentially stressed charged cylinders in general relativity 11, 1980, 1060-1063
- Paul, B. B. & Guha Thakurta, S. N.** Cosmological solution of Einstein's equations in general relativity 8, 1977, 117-119
- Paul, H. S. & Sarma, K. V.** Longitudinal wave propagation in a finite piezoelectric cylindrical shell 9, 1978, 201-215
- Paul, S.** A note on the radial vibrations of a sphere of poroelastic material 7, 1976, 469-476; An external problem for starlike function 7, 1976, 1199-1202; Lamb's line load problem for a porous elastic half-space : non-dissipative case 7, 1976, 854-867; On the disturbance in a poro-elastic medium by an expanding ring and disk load 9, 1978, 324-331
- Paul, S.** *See* Singh, V. & Paul, S., 8, 454-462
- Paul Y.** *See* Kumar, P. & Paul, Y.
- Pethe, P. & Thakare, N.** Property(I) does not imply smoothness 11, 1980, 562-564
- Pethe, P. V. & Thakare, N. K.** Applications of Riesz representation theorem in semi-inner product spaces 7, 1976, 1024-1031; Applications of the projection theorem and some results 8, 1977, 898-902
- Phadke, S. V.** *See* Thakare, N. K. & Phadke, S. V., 11, 1180-1193
- Phadke, S. V. & Thakare, N. K.** M-hyponormal operators: Invariant subspaces and spectral localization 8, 1977, 487-496; Projection operators on uniformly convex semi-inner product spaces 7, 1976, 1438-1447
- Phadke, S. V., Khasbardar, S. K. & Thakare, N. K.** On *QU*-operators 8, 1977, 335-343
- Philos, Ch. G.** A comparison result in oscillation theory 11, 1980, 1-7
- Pleasants, P. A. B.** *See* Gupta, H. & Pleasants, P. A. B., 10, 655-694
- Poddar, S. N.** Stress intensity factors for two coplanar Griffith cracks in an infinitely long elastic strip, perpendicular to the edges of the strip, for any variable distribution of pressure 7, 1976, 1047-1061
- Pokhariyal, G. P.** *See* Mishra, R. S. & Pokhariyal, G. P., 2, 529-532
- Pop, I.** The effect of Hall currents on unsteady hydromagnetic free convection flow near an infinite vertical flat plate 3, 1972, 1216-1223
- Powell, R. E.** Some product theorems on functions of bounded index 3, 1972, 795-800
- Prabha, S.** *See* Prakash, N. & Prabha, S., 2, 25-28

- Prabhakar, T. R. Some singular integral equations- involving Laguerre polynomials and finite parts of divergent integrals 11, 1980, 384-391
- Prabhakar, T. R. & Chakrabarty, M. A class of basic integral equations with basic hypergeometric function ( in the kernels 7, 1976, 1253-1260
- Prabhakar, T. R. & Gupta, S. Bernoulli polynomials of the second kind and general order 11, 1980, 1361-1368
- Prabhakar, T. R. & Kashyap, N. K. A biorthogonal pair of polynomials sets suggested by a class of Jacobi polynomials 11, 1980, 1147-1154
- Prabhakar, T. R. & Kashyap, N. K. A new class of hypergeometric integral equations 11, 1980, 92-97
- Prabhakar, T. R. & Rekha, S. On the set of polynomials 7, 1976, 1367-1370
- Prabhakar, T. R. & Reva An Appell cross-sequence suggested by the Bernoulli and Euler polynomials of general order 10, 1979, 1216-1227
- Prabhakar, T. R. & Tomar, R. C. Some integrals and series relations for biorthogonal polynomials suggested by the Legendre polynomials 11, 1980, 863-869
- Prabhakar, T. R., Chopra, M. & Gupta, S. An Appell cross-sequence suggested by Hermite polynomials 9, 1978, 194-200
- Prabhakar, T. R., Srivastava, A. & Tomar, R. C. Inverse of a tridiagonal band matrix in terms of generalized Hermite polynomials 10, 1979, 1284-1287
- Pradhan, A. See Lal, K. B. & Pradhan, A., 8, 268-272
- Pradhan, G. K. Linear stability of a particular non-Newtonian fluid 5, 1974, 39-46; Oscillatory instability in a revolving fluid of variable density 4, 1973, 139-148; Stability of a spiral flow with cubic axial velocity profile 4, 1973, 379-390; Surface tension instability in a fluid layer with free boundaries 4, 1973, 300-307
- Pradhan, G. K. & Samal, P. C. Nature of the onset of thermal convection in a completely confined porous medium 7, 1976, 309-313; Stability criteria for time-dependent flows 8, 1977, 801-807
- Pradhan, K. M. & Maheshwari, N. K. On some generating functions for the generalized hypergeometric polynomials 9, 1978, 923-927
- Pradhan, G. K. Buoyancy-surface tension instability in a rotating fluid layer 4, 1973, 215-225
- Prajapat, M. L. See Joshi, C. M. & Prajapat, M. L., 8, 103-116
- Prakash, A. See Sharma, H. G. & Prakash, A., 8, 546-557
- Prakash, C. V. S. See Jain, P. C. & Prakash, C. V. S., 7, 1411-1425
- Prakash, N. Period matrix domains of a quasi-symmetric manifold 6, 1975, 604-613
- Prakash, N. see Dhawan, M. & Prakash, N., 1, 8-16
- Prakash, N. & Bahadur, N. On lifts of quartic structure 4, 1973, 898-904
- Prakash, N. & Prabha, S. A note on immersed manifolds 2, 1971, 25-28
- Prakash, N. & Sneh Lata Generalized

- exterior derivations in framed manifolds 8, 1977, 1193-1204
- Prakash, S.** A plane symmetric universe 11, 1980, 931-934
- Prakash, S.** *See* Roy, S. R. & Prakash, S., 8, 723-727 & 1132-1138
- Prakash, S.** *See* Roy, S. R., Bali, R. & Prakash, S., 9, 249-255
- Prakash, S. & Roy, S. R.** An anisotropic incoherent fluid cosmological model in general relativity 10, 1979, 1-5
- Pramanik, A. K.** Waves created against a vertical cliff 11, 1980, 238-244
- Pramanik, B.** On the vibration of a rectangular plate with a concentrated mass placed on it in a transverse magnetic field 4, 1973, 461-467
- Prasad, B. N.** Conformal transformations associated with sets of  $n$  fundamental forms of Riemannian hypersurface 10, 1979, 835-841; Finsler spaces with the torsion tensor  $p_{ijk}$  of a special form 11, 1980, 1572-1579; On a transformation associated with sets of  $n$  fundamental forms of Minkowskian hypersurfaces 10, 1979, 1068-1075
- Prasad, B. N. & Singh, V. P.** Finsler spaces with the Berwald's curvature tensor of a special form 11, 1980, 1270-1277
- Prasad, C. & Gupta, A. P.** Asymmetric vibration of circular sandwich plates 10, 1979, 1002-1008
- Prasad, C. M. & Srivastava, R. K.** Decomposition of neo-recurrent curvature tensor field of the second order 10, 1979, 920-927; Decomposition of neo-recurrent curvature tensor field of the first order 10, 1979, 1175-1182
- Prasad, G.** On the geometry of relativistic electromagnetic fluid flows with geometrical symmetries 9, 1978, 457-466; On the geometry of relativistic electromagnetic fluid flows II 10, 1979, 470-478; Relativistic electromagnetic fluids and Ricci collineations 10, 1979, 94-99; Relativistic magnetofluids and symmetry mappings-I 9, 1978, 682-691; Relativistic magnetofluids and symmetry mappings-II 9, 1978, 69-701
- Prasad, G.** *See* Singh, G. & Prasad, G., 11, 1064-1071
- Prasad, G. & Mittal, M. L.** On strong matrix summability 9, 1978, 1076-1082
- Prasad, G. & Ojha, S. N.** Tetrad formalism of Maxwell equations with effect of gravitation-II 8, 1977, 741-751
- Prasad, G. & Sinha, B. B.** On the geometry of relativistic electromagnetic fluid flows I 9, 1978, 447-456; Relativistic magnetofluids and symmetry mappings-III 9, 1978, 893-899
- Prasad, G., Gangwar, S. S. & Misra, S. B.** Intrinsic equations for the magnetofluid flows 10, 1979, 204-208
- Prasad, K.** Nvrlund summability of Fourier series and its conjugate series 4, 1973, 179-185; On the  $(N, p^\alpha_n)$  sumability of Fourier series and its allied series 9, 1978, 47-60; On the Borel summability of Legendre series 4, 1973, 601-605; On the strong matrix summability of ultraspherical series 11, 1980, 1170-1175; also *see* Tripathi, L. M. & Prasad, K., 4, 58-65 & 5, 111-118

- Prasad, K. & Tripathi, L. M. Absolute Riesz summability factors of a Fourier series 6, 1975, 824-831
- Prasad, K. & Tripathi, L. M. On the uniform Nörlund summability of Legendre series 6, 1975, 687-694
- Prasad, P. & Tagare, S. G. Approximation of a system of first order quasi-linear partial differential equations in the neighbourhood of a multiple characteristic 5, 1974, 845-853
- Prasad, R. On the uniform Nörlund summability of Legendre series 10, 1979, 1298-1302
- Prasad, R. & Saxena, A. On the Norlund summability of Fourier-Jacobi series 10, 1979, 1303-1311
- Prasad, R. D. See Bhonsle, B. R., Prasad, R. D. & Thakare, N., 7, 717-727
- Prasad, S. & Choudhary, R. C. Axisymmetric boundary layer with suction over a porous sphere 11, 1980, 1381-1387
- Prasad, S. C. See Das, S. C. & Prasad, S. C., 3, 248-262
- Prasad, V. See Pathak, R. S. & Prasad, V., 3, 1099-1107
- Prasad, Y. N. & Ram, S. D. Integrals involving  $H$ -function of two variables 6, 1975, 1188-1192; On some triple integrals involving Meijer's  $G$ -function 6, 1173-1179
- Prasad, Y. N. & Siddiqui, A. Some operational techniques in the theory of special functions 7, 1976, 769-776
- Prasad, Y. N. & Singh, A. K. Finite integration of certain products associated with the  $H$ -function of two variables 10, 1979, 1497-1503
- Prasad, Y. N. & Singh, S. N. Some higher operational techniques in the theory of special functions 8, 1977, 1298-1307
- Prasada Rao, D. R. V. Hydromagnetic Ekman layer over an oscillatory porous plate 11, 1980, 1225-1234
- Prasanna, S. & Sheth, I. H. A remark on a paper of V Istratescu 11, 1980, 212-214
- Prasanna, S., Parmar, A. K. & Buch, S. B. On a paper of Phadke, Kasbardar and Thakare 10, 1979, 467-469
- Pugh, C. E. & Singh, M. Continuum magnetoelasticity with couple stresses 5, 1974, 638-649; Couple stresses in elastic dielectrics 5, 1974, 530-532
- Pujar, S. S. On totally real submanifolds of Kahlerian manifold admitting the complex conformal connection 11, 1980, 1259-1269
- Puri, M. C. See Bhatia, H. L., Swaroop, K. & Puri, M. C., 920-929
- Puri, M. C. & Swarup, K. Simple enumerative method for fixed charge problem 5, 1974, 894-901; Strong-cut cutting plane procedure for extreme point mathematical programming problems 6, 1975, 227-236
- Puri, M. C. See Arora, S. R., Puri, M. C. & Swarup, K., 578-588
- Purohit, G. N. & Goyal, M. C. Unsteady heat transfer for flow over a flat plate with suction 7, 1976, 977-982
- Pym, J. S. & Vasudeva, H. L. On an



- extension of the Hausdorff-Young inequality 7, 1976, 73-75
- Quraishi, R.** *See* Mishra, R. S. & Quraishi, R., 7, 698-700
- Radhakrishnan, A. & Bhandari, M. C.** On a class of lattice ordered near-rings 9, 1978, 581-587
- Radhe Shyam** *See* Sharma, V. D. & Radhe Shyam, 11, 478-488
- Raghavan, T. G.** An example in non-Hausdorff  $P$ -spaces 9, 1978, 32-33
- Raghavan, T. G. & Reilly, I. L.** On the continuity of group operations 9, 1978, 747-752
- Raghavarao, C. V. & Sarma, L. V. K. V.** Circular cylinder in a flow with paraboloid velocity distribution 9, 1978, 1344-1352
- Rai, J.** *See* Bahl, S. K. & Rai, J., 815-824
- Rai, J.** *See* Bahl, S. K., Rai, J. & Ghildyal, C. D., 749-756
- Rai, K. N. & Pandey, R. N.** Heat and mass transfer in an infinite porous plate 6, 1975, 1113-1126
- Rai, L. N.** *See* Singh, T. & Rai, L. N., 10, 1432-1436
- Rai, S. N.** Approximate point spectra of polar factors of hyponormal operators 8, 1977, 1083-1088; Some conditions on an operator implying normality 3, 1972, 653-655
- Rai, S. P.** *See* Mishra, R. S., Srivastava, J. P. & Rai, S. P., 9, 1275-1281
- Raina, N.** *See* Sharma, B. D. & Raina, N., 9, 1091-1102
- Raja, M.** *See* Jain, P. C. & Raja, M., 10, 1543-1551
- Rajagopal, C. T.** On Norlund summability and convergence of Fourier series and its conjugate series 5, 1974, 969-976
- Rajgopalan, D.** *See* Kumar, I. J. & Rajgopalan, D., 1, 305-319
- Rajput, K. S.** A new solvable potential from the quasilinear van der Pol equation 8, 1977, 448-453; Inter-relation between solvable scalar potentials for the non-relativistic and relativistic wave equations 8, 1977, 514-522
- Rajvanshi, S. C.** *See* Om Prakash & Rajvanshi, S. C.
- Rajwade, A. R.** A note on the stupe of quadratic fields 6, 1975, 725-726, Some congruences in algebraic integers and rational integers 7, 1976, 431-435; Some formulae for elliptic curves with complex multiplication 8, 1977, 379-388, The number of solutions of the congruence  $y^2 \equiv x^6 - a \pmod{p}$  4, 1973, 325-332
- Raka, M.** *See* Hans-Gill, R. J. & Raka, M., 11, 60-74, 75-91 & 994-1006
- Ram Autar** Generalized information-improvement functions 6, 1975, 553-563; On generalized information improvement 7, 1976, 868-872
- Ram Autar** On relative information functions 6, 1975, 1449-1454
- Ram Autar** *See* Sharma, B. D. & Ram Autar, 7, 121-129

- Ram Babu** See Mishra, R. S. & Ram Babu, 1, 506-511
- Ram Hit** Generalizations of Gauss and Mainardi-Codazzi equations 6, 1975, 1412-1415; On almost product manifolds 4, 1973, 149-154; On the  $H$ -conharmonic curvature tensor 6, 1975, 864-868
- Ram Hit** See Mishra, R. S. & Ram Hit, 2, 330-331, 344-348 & 3, 268-272 & 273-277
- Ram Hit & Mishra, R. S.** Curvature tensors in almost Hermite manifolds 3, 1972, 801-806
- Ram Nath** On the expansion of  $P$ -function 7, 1976, 138-146
- Ram, P. C.** See Agrawal, H. L. & Ram, P. C., 9-13
- Ram, P. C.** See Singh, C. B. & Ram, P. C., 8, 1022-1028
- Ram, R.** See Sharma, V. D. & Ram, R., 10, 959-963
- Ram, R. & Pandey, B. D.** Local and global behaviour of acceleration waves in radiating gases 10, 1979, 950-958
- Ram, R. D.** See Lal, S. N. & Ram, R. D., 10, 1343-1350
- Ram, S. D.** See Prasad, Y. N. & Ram, S. D., 6, 1173-1179 & 1188-1192
- Rama Chandra Rao, R. S. & Rama Sarma, A. S.** Some identities involving the Riemann zeta functions 10, 1979, 602-607
- Rama Rani** A note on the laminar steady flow through a curved cross-section 10, 1979, 1288-1291
- Rama Sarma, A. S.** See Rama Chandra Rao, R. S. & Rama Sarma, A. S., 10, 602-607
- Ramachandra Rao, B. S.** Eigenfunction expansions for a fourth order differential equation 3, 1972, 1141-1149, Eigenfunctions for the symmetrical deformations of a cylinder whose plane faces are displacement-free 3, 1972, 299-305
- Ramachandra Rao, B. S.** See Singhal, A. K. & Ramachandra Rao, B. S., 10, 938-939 & 1146-1150
- Ramachandra Rao, B. S. & Sarma, P. V. B. A. S.** Flexure of ring sector plates under uniform and concentrated normal loads 8, 1977, 1139-1144
- Ramachandra Rao, B. S. & Sridhara, J. K.** Eigenfunction solution for the sector problem in plane elastostatic 4, 1973, 171-178
- Ramacharyulu, N. Ch. P.** Annular effect in porous media 10, 1979, 761-762; also see Rao, P. N. & Ramacharyulu, N. Ch. P., 11, 487-491
- Ramana Rao, V. V.** See Vidyanidhi, V. & Ramana Rao, V. V., 2, 15-24
- Ramanujam, N. & Srivastava, U. N.** Singularly perturbed initial value problems for nonlinear differential systems 11, 1980, 98-113
- Ramanujan, P. B. & Gupta, B. C.** On spectra of polar factors of some convexoid operators 8, 1977, 90-93
- Rammana Rao, V. V. & Sithapati, A.** Flow of a conduction liquid in a rotating pipe 5, 1974, 835-836
- Ranga Rao, M. P. & Chaturani, P.** Pressure shocks in dissipative

- magnetogasdynamics 1, 1970, 258-264
- Ranganathan, S. *See* Gupta, V K & Ranganathan, S., 6, 451-455
- Rangarajan, M. R. On the radius of univalence and starlikeness of a class of analytic functions 11, 1980, 245-251
- Rao D. *See* Mohanty, S P & Rao D., 11, 1554-1560
- Rao Hebbare, S. P. & Patwardhan, G. A. Partial Kronecker product and its applications in modular Hadamard matrices 8, 1977, 309-313
- Rao, A. B. *See* Manocha, H. L. & Rao, A. B., 5, 166-170 & 650-660
- Rao, A. B. *See* Manocha, H L. & Rao, A. B
- Rao, A. B. *See* Srivastava, A. & Rao, A B., 6, 1326-1364
- Rao, A. B. & Manocha, H. L. Expansion formulae for Lommel's functions 7, 1976, 418-420
- Rao, A. S. On the Stepanov-bounded solutions of certain abstract differential equations 8, 1977, 120-123
- Rao, A. S. *See* Rao, D. R. K. S., Murthy, K. N. & Rao, A. S., 11, 1369-1371
- Rao, B. S. R. & Sarma, P. V. B. A. S. Stress analysis in finite curved beams under general equilibrium loading 9, 1978, 518-527
- Rao, D. *See* Mohanty, S. P. & Rao, D., 11, 1554-1560
- Rao, D. R. K. S., Murthy, K. N. & Rao, A. S. A generalized two-point boundary value problem 11, 1980, 1369-1371
- Rao, G. L. N. The dimensional generalized Stieltjes transformation of distributions 8, 1977, 1407-1414
- Rao, G. S. & Muthukumar, S. A note on the semi-continuity properties of the farthest point map 11, 1980, 1293-1296
- Rao, J. M. Mappings on metric spaces 11, 1980, 502-506
- Rao, J. R. *See* Rao, P P., Tiwari, R N & Rao, J. R., 10, 1140-1145
- Rao, J. R., Tiwari, R. N. & Bhamra, K. S. Physical behaviour of some induced by elliptic harmonic oscillations of a disk 9, 1978, 426-435
- Rao, K. K. Thermal stresses in a solid elastic cone 9, 1978, 256-266
- Rao, P. N. & Ramacharyulu, N. Ch. P. A note on steady slow motion of thermoviscous fluid through a circular tube 11, 1980, 487-491
- Rao, P. P., Tiwari, R. N. & Rao, J. R. A class of stationary Brans-Dicke vacuum fields 10, 1979, 1140-1145
- Rao, R. S. R. C. & Murty, G. S. R. C. The number of M-void divisors of an integer 11, 1980, 749-757
- Rao, R. S. R. C. & Rama Sarma, A. S. Two identities due to Ramanujan 11, 1980, 1139-1140
- Rao, V. V. L. N. Some theorems concerting self-reciprocal functions 1, 1970, 396-403

- Rastogi, S. C. On  $(f, g, u_r | \lambda_r |)$ -structure 6, 1975, 869-878
- Rastogi, S. C. & Trivedi, H. K. N. On generalized curves in a Finsler space 3, 1972, 1058-1063
- Rath, P. C. See Sharma, K. C. & Rath, P. C., 2, 122-134
- Rath, P. C. See Sharma, S. M. & Rath, P. C., 5, 311-320
- Rath, P. C. & Namboodiri, A. V. On the Lock-Flower model of a spinning shell 5, 1974, 396-418
- Rath, P. C. & Sharma, K. C. On the limiting oscillations of a sounding rocket exiting the atmosphere 2, 1971, 713-721; On the magnus instability of a spinning shell 7, 1976, 387-406
- Rath, R. S. & Bastia, S. N. Steady flow of a visco-elastic liquid about a porous rotating disk 7, 1976, 880-884
- Rath, R. S. & Jena, G. Fluctuating flow between two coaxial cylinders 10, 1979, 1405-1414
- Rath, R. S. & Mahapatra, B. S. Heat transfer in a variable viscosity fluid due to a gradually accelerated plate 6, 1975, 1007-1012
- Rath, R. S. & Nayak, S. K. Influence of porosity on the non-stationary flow between two co-axial porous disks rotating with equal time variant velocities 7, 1976, 737-750
- Rathi, J. S. The radius of convexity of certain analytic functions 1, 1970, 30-36
- Rathore, M. P. S. On Bochner Curvature tensor and its applications 8, 1977, 1420-1427
- Rathore, M. P. S. & Mishra, R. S. Holomorphic projective birecurrent manifold 6, 1975, 1031-1037; On a C-unbilical hypersurface of an almost Tachibana manifold with vanishing curvature tensors 6, 1975, 755-764; On conformal Weingarten's map 7, 1976, 1466-1471; On H-projectively flat Kaehler submanifold in a Kaehler manifold 6, 1975, 158-165; On Sasakian manifold with recurrent curvature tensors 6, 1975, 219-226
- Rathore, R. K. S. & Singh, O. P. On convergence of derivatives of Post-Widdre operators 11, 1980, 547-561
- Rattan Chand & Singh, P. On certain Schlicht mappings 10, 1979, 1167-1174
- Ravindran, R. & Bhatnagar, K. S. Rotational oscillations of a sphere about a fixed diameter in a Rivlin-Ericksen fluid 3, 1972, 283-298
- Rawat, M. L. On the oscillations of an elliptic cylinder contained in a viscous liquid bounded by a confocal coaxial elliptic cylinder with suction and injection 3, 1972, 672-680
- Rawat, M. L. See Patni, G. C. & Rawat, M. L., 5, 289-296
- Ray, B. K. A fixed point theorem in Banach space 8, 1977, 903-907; On a theorem of Brain Fisher 10, 1979, 629-632; On an extension of a theorem of Ljubomir Ciric 10, 1979, 145-146; On common fixed points 7, 1976, 557-563; On common fixed points III 6, 1975, 1256-1260; Sequence of mapping fixed points 7, 1976, 163-167; Some results on fixed points 6, 1975, 410-415

- Ray, B. K. *See* Chatterjee, H. & Ray, B. K.
- Ray, B. K. *See* Ghoshal, S. K. & Ray, B. K., 7, 314-319
- Ray, B. K. & Chatterjee, H. On some results on fixed points in metric and Banach spaces 8, 1977, 955-960
- Ray, B. K. & Misra, A. On the absolute matrix summability of the series conjugate to a Fourier series 11, 1980, 1482-1496
- Ray, B. K. & Singh, S. P. Fixed point theorems in Banach spaces 9, 1978, 216-221; Remarks on some fixed point theorems II 9, 1978, 881-885
- Ray, M. & Agrawal, J. C. On hydromagnetic flow over conducting and non-conducting walls 2, 1971, 374-386
- Ray, S. K. *See* Kamthan, P. K. & Ray, S. K., 6, 237-246
- Ray, T. R. Lamunar natural convection heat transfer from a curved surface to a non-Newtonian pseudoplastic liquid 10, 1979, 366-377
- Reddy, D. R. K. Scalar-tensor theory in Lyra manifold 6, 1975, 1231-1235
- Reilly, I. L. *See* Raghavan, T. G. & Reilly, I. L., 9, 747-752
- Reilly, I. L. & Subrahmanyam, P. V. Fixed point theorems in Tychonoff spaces 11, 1980, 565-571
- Reis, R. H. A formula for  $C(T)$  in Gupta's paper 10, 1979, 1000-1001
- Rekha, S. *See* Prabhakar, T. R. & Rekha, S., 7, 1367-1370
- Reva *See* Prabhakar, T. R. & Reva, 10, 1261-1227
- Rishi Ram *See* Gaur, M. & Rishi Ram, 9, 824-829
- Rizvi, S. M. *See* Khan, H. H. & Rizvi, S. M., 6, 1261-1269
- Ross, B. The evaluation of a limit of an indeterminate form 11, 1980, 854-855
- Ross, B. & Northover, F. H. A use for a derivative of complex order in the fractional calculus or What, indeed, is  $d^{3-(1/2)t}/dx^{3-(1/2)t}$  and what can you do with it? 9, 1978, 400-406
- Roy Choudhuri, S. K. A coupled thermo-elastic problem of a half-space under the action of a thermal shock on the bounding surface 3, 1972, 568-574; Thermoelastic vibrations of a simply supported rectangular plate produced by temperatures prescribed on the faces 2, 1971, 749-754
- Roy, A. Exact transient responses of an elastic half space to a non-uniformly expanding circular ring 5, 1974, 1063-1080; On dislocations and extended sources in an elastic half space 10, 1979, 100-111
- Roy, A. & Das, A. K. The unsteady free convection flow past a vertical porous plate with variable suction and transverse magnetic field 9, 1978, 1214-1235
- Roy, L. K. *See* Sengupta, P. R. & Roy, L. K., 4, 723-733
- Roy, P. *See* Dutta, S. & Roy, P., 6, 377-389
- Roy, P. C. Unsteady flow of a Maxwell fluid past a flat plate 9, 1978, 157-166

- Roy, R. A note on a paper by Kra 6, 1975, 1154-1158
- Roy, R. *See* Banerjee, M. B., Roy, R., Gupta, J. R., Shandil, R. G. & Banerjee, A
- Roy, S. An application of non-linear programming in power plant location problem 8, 1977, 773-778
- Roy, S. R. *See* Prakash, S. & Roy, S. R., 10, 1-5
- Roy, S. R. *See* Singh, K. P. & Roy, S. R., 3, 532-534
- Roy, S. R. & Bali, R. Conformally flat non-static plane symmetric perfect fluid distributions 9, 1978, 1236-1240; Conformally flat non-static spherically symmetric perfect fluid distributions in general relativity 9, 1978, 871-875; Magnetoviscous fluid cosmological models in general relativity 10, 1979, 318-325
- Roy, S. R. & Narain, S. Some plane symmetric models of perfect fluid distribution in general relativity 10, 1979, 763-771
- Roy, S. R. & Prakash, S. A gravitationally non-degenerate viscous fluid cosmological model in general relativity 8, 1977, 723-727; Some solutions of Einstein-Maxwell equations for cylindrically symmetric space-time with two degrees of freedom in general relativity 8, 1977, 1132-1138
- Roy, S. R. & Tiwari, O. P. Some perfect fluid cosmological models of plane symmetry with incident magnetic field 11, 1980, 609-617
- Roy, S. R. & Tripathi, V. N. Cylindrically symmetric electromagnetic field of the second class 3, 1972, 926-937, Petrov classification of the class-one space-time 2, 1971, 110-115
- Roy, S. R., Bali, R. & Prakash, S. A gravitationally non-degenerate Bianchi type cosmological model in general relativity 9, 1978, 249-255
- Roy, T. R. Comparative study of two-dimensional and axi-symmetric jet flows of power law liquid 8, 1977, 758-766; On boundary layer flow of a power law liquid past a wedge 11, 1980, 1540-1548
- Roychoudhury, R. K. Generalized Fourier series and non-linear oscillator 10, 1979, 1127-1133
- Rudraiah, N. Hydromagnetic stability of compressible fluid 9, 1978, 1163-1174; Linear and nonlinear stability of helical flow of a heterogeneous conducting fluid 10, 1979, 51-73
- Rudraiah, N. *See* Chandrasekhara, B. C. & Rudraiah, N., 11, 1105-1124
- Rudraiah, N. *See* Chandrasekhara, B. C., Venkatachalappa, M. & Rudraiah, N., 5, 225-240
- Rudraiah, N. & Mariyappa, B. V. Universal stability of hydromagnetic flows in porous medium 5, 1974, 321-336
- Rudraiah, N., Chandrasekhara, C. & Shanthakumar, M. Non-linear stability of perfectly conducting flows 3, 1972, 1064-1072
- Rudraiah, N. Universal stability of hydromagnetic convective flows in a porous medium 3, 1972, 681-694
- Rukmangadachari, E. Dusty viscous flow between oscillating coaxial circular cylinders 9, 1978, 847-854; Dusty

# AUTHOR INDEX

- viscous flow through a cylinder of elliptic section under time-dependent pressure gradient 10, 1979, 731-744
- Ruscheweyh, S.** On the partial sums of prestarlike and related functions 11, 1980, 1587-1589
- Ruscheweyh, St. & Wirths, K. J.** Convex sums of convex univalent functions 7, 1976, 49-52
- Sachdev, P. L.** On the theory of weak spherical shocks 7, 1976, 1261-1267
- Sachdev, P. L.** *See* Satyanaryanan, A. & Sachdev, P. L., 11, 1696-1703
- Sachdev, P. L. & Ashraf, S.** Approximate analytic solution of a blast wave with thermal radiation 4, 1973, 241-252; Approximate analytical solutions of spherical cylindrical and plane piston problems in an inhomogeneous medium 1, 1970, 579-593
- Sacheti, N. C.** Plane Couette flow of two immiscible incompressible non-Newtonian fluids with uniform suction at the stationary plate 7, 1976, 527-540
- Sacheti, N. C.** *See* Bhatt, B. S. & Sacheti, N. C., 10, 303-306
- Sacheti, N. C.** *See* Verma, P. D. & Sacheti, N. C., 3, 518-531
- Sacheti, N. C. & Bhatt, B. S.** Unsteady motion of a second order fluid between parallel plates 6, 1975, 996-1006
- Sahai, B.** *See* Sinha, K. S. & Sahai, B., 9, 34-46
- Sahoo, B.** *See* Parida, J. & Sahoo, B., 11, 838-845
- Sahu, A. R. & Tomar, J. S.** Torsional vibrations of a pre-twisted cantilever beam 6, 1975, 151-157
- Salunkhe, V. S.** Weierstrass transform of generalized functions 8, 1977, 1352-1353
- Samal, P. C.** *See* Pradhan, G. K. & Samal, P. C., 7, 309-313 & 8, 801-807
- Samanta, S. K.** On asymptotic commutativity and common fixed point theorems 10, 1979, 1327-1336, also *see* Panja, C. & Samanta, S. K., 11, 120-127
- Sambandham, M.** Maxima of a random algebraic curve 6, 1975, 423-431. On random trigonometric polynomial 7 1976, 841-849; On the real roots of the random algebraic equation 7, 1976, 1062-1070, Real zeros of a random polynomial with hyperbolic elements 7, 1976, 553-556; On a random trigonometric polynomial 7, 1976, 993-998
- Sane, S. S. & Patwardhan, G. A.** Collineations in finite projective planes and group divisible designs 8, 1977, 238-246
- Sankara Rao, K.** Numerical study of normal impingement of a plane jet on a flat surface 8, 1977, 29-43
- Sanyal, D. C.** Deformation of a semi-infinite poroelastic medium under the compressive action of a rigid body 11, 1980, 1388-1396
- Saraf, J. R.** Rarefied-Gas heat transfer in Knudsen layer using ellipsoidal model 3, 1972, 637-644
- Saran, S.** Theorems on bilinear generating functions 3, 1972, 12-20;

- Transformation formulae for the terminating generalized Kampé de Fériet function 11, 1980, 1141-1146
- Sarang, S. M. & Patil, S. J.** On modified deficiencies of meromorphic functions 10, 1979, 6-13
- Sarin, V.** See Srivastava, R. S. & Sarin, V., 3, 755-768
- Sarin, V. B.** See Srivastava, R. S. & Sarin, V. B., 4, 193-204, 437-448 & 509-518 & 7, 1426-1437
- Sarma, G. N.** See Gupta, T. R. & Sarma, G. N., 6, 1047-1065
- Sarma, G. N.** See Singh, M. & Sarma, G. N., 6, 735-745
- Sarma, G. N. & Gupta, T. R.** Response of skin friction to the angle parameter in flow past an axis-symmetric body moving in the direction of its axis 1, 1970, 594-607, The response of skin friction to the angle and perturbation parameters in flow past an axisymmetric body when the main stream is in unsteady motion 2, 1971, 722-739
- Sarma, G. N. & Singh, D. P.** The effects of viscosity-temperature law in unsteady boundary layer on a flat plate 4, 1973, 161-170
- Sarma, G. N. & Singh, M.** Unsteady boundary layer on an infinite yawed wedge 5, 1974, 854-867
- Sarma, K. S.** See Thajuddin, Md. & Sarma, K. S., 9, 1138-1146 & 1147-1153
- Sarma, K. V.** See Paul, H. S. & Sarma, K. V., 9, 201-215
- Sarma, L. V. K. V.** See Raghavarao, C. V. & Sarma, L. V. K. V., 9, 1354-1352
- Sarma, M. S.** Compressibility influence on internal waves excited by travelling forcing effects 8, 1977, 351-362
- Sarma, P. V. B. A. S.** See Ramachandra Rao, B. S. & Sarma, P. V. B. A. S., 8, 1139-1144
- Sarma, P. V. B. A. S.** See Rao, B. S. R. & Sarma, P. V. B. A. S., 9, 518-527
- Saroa, M. S.** Torsional oscillations of a disc in a second-order fluid 2, 1971, 318-329
- Sastry, K. P. R. & Naidu, S. V. R.** On generalized adjoints 9, 1978, 722-727, Some fixed point theorems in normed linear spaces 10, 1979, 928-937
- Sastry, S. S.** A numerical solution of an integral equation of the second kind occurring in aerodynamics 4, 1973, 838-843, Numerical solution of non-singular Fredholm integral equations of the second kind 6, 1975, 773-783; On a numerical solution of an integral equation of the first kind 3, 1972, 148-156
- Sastry, U. A.** See Narasimha Rao, P. V. & Sastry, U. A., 11, 336-346 & 1687-1695
- Sastry, U. A.** Some problems in flexure 9, 1978, 950-959
- Satya Prakash** Flow along parabolic corners and channels with suction and injection 1, 1970, 112-118; Liquid flowing down an open inclined channel 2, 1971, 103-109; Note on the problem of unsteady viscous flow past a flat plate 2, 1971, 283-289
- Satyanarayana Rao, V.** See Bhargava, R. D. & Satyanarayana Rao, V., 487-494



- Satyanaryanan, A. & Sachdev, P. L. Reflection of internal gravity waves in an atmosphere with wind shear WKB approximation 11, 1980, 1696-1703
- Saxena, A. *See* Prasad, R. & Saxena, A., 10, 1303-1311
- Saxena, R. K. *See* Banerjee, P. K. & Saxena, R. K., 337-341, *see* Moharir, S. K. & Saxena, R. K., 878-885
- Saxena, R. K. & Jain, D. R. On the space of entire functions of finite growth over non-Archimedean fields (I) 8, 1977, 1480-1490
- Saxena, R. K. & Jain, D. R. On the space of entire functions of finite growth over non-Archimedean fields (II) 8, 1977, 1491-1496
- Saxena, R. K. & Kumbhat, R. K. Integral operators involving  $H$ -function 5, 1974, 1-6
- Saxena, R. K. & Sethi, P. L. Applications of fractional integration operators to triple integral equations 6, 1975, 512-521
- Saxena, R. S. *See* Bhargava, R. D. & Saxena, R. S., 246-256 & 552-564
- Saxena, V. P. *See* Gupta, P. M. & Saxena, V. P., 2, 290-296
- Saxena, V. P. *See* Srivastava, K. N. & Saxena, V. P., 3, 1278-1288
- Sen, P. K. Response in a piezo-electric bar transducer under the influence of a body force 6, 1975, 546-552
- Sen, R. On visco-elastic free convection boundary layer flow past an infinite plate with constant suction 9, 1978, 229-241
- Sengupta, P. R. *See* Banerji, D. K. & Sengupta, P. R., 17-25
- Sengupta, P. R. *See* Chakraborty, S. K. & Sengupta, P. R., 4, 653-663
- Sengupta, P. R. & Ghosh, B. C. Effects of couple stresses on elastic waves and vibrations 8, 1977, 1032-1048
- Sengupta, P. R. & Roy, L. K. Inclusions in elasto-plastic anisotropic solids 4, 1973, 723-733
- Sengupta, S. Stability of a liquid layer flowing down a permeable boundary 6, 1975, 367-376
- Seth, S. S. Unsteady motion of viscoelastic fluid due to rotation of a sphere 8, 1977, 302-308
- Sethi, P. L. *See* Saxena, R. K. & Sethi, P. L., 6, 512-521
- Shah, D. C. *See* Mishra, S. K., Verma, S. P. & Shah, D. C., 7, 425-430
- Shah, K. N. Unsteady laminar motion of an electroconducting liquid under the action of a transverse magnetic field 3, 1972, 306-312
- Shah, M. A new formula on generalized functions 4, 1973, 889-897; A note involving partial differential equation related to heat conduction 4, 1973, 333-340; A note on Mellin inversion formula 5, 1974, 464-469; On a generalization of MacRobert's multiplication formula for the  $F$ -function series 5, 1974, 353-360; On a generalized Fox's  $H$ -function 4, 1973, 422-427; On Fourier series for generalized Meijer functions of two variables and their applications 2, 1971, 464-478; On generalized functions involving classical

- polynomials 4, 1973, 473-480, On multiplication theorem involving generalized functions 5, 1974, 785-790; Some results involving generalized Meijer functions associated with Gegenbauer (ultraspherical) polynomials 2, 1971, 387-400; Some results of generalized hypergeometric polynomial and Bessel functions with their applications-II 1, 1970, 185-191
- Shah, S. M. Exceptional values of entire characteristic functions 8, 1977, 261-267
- Shandil, R. G. *See* Banerjee, M. B., Roy, R., Gupta, J. R., Shandil, R. G. & Banerjee, A.
- Shanthakumar, M. *See* Rudraiah, N., Chandrasekhara, C. & Shanthakumar, M., 3, 1064-1072
- Sharfuddin, A., Deshmukh, S. & Husain, S. I. On para-Sasakian manifolds 11, 1980, 845-853
- Sharm, S. Certain fractional  $q$ -integral operators 10, 1979, 581-589
- Sharma, A. K. A note on fixed points in 2-metric spaces 11, 1980, 1580-1583; An extension of Sehgal's result of fixed points 7, 1976, 1241-1246; Some results on common fixed points 8, 1977, 389-393; Some results on periodic and fixed points 10, 1979, 752-760
- Sharma, B. B. A problem of a deterministic queue 9, 1978, 75-81; Coupled torsional longitudinal vibrations of a pretwisted slender beam under aerodynamic couplings in a centrifugal force field 7, 1976, 436-444; Flexural vibrations of isotropic elastic rectangular plate resting on elastic foundation 4, 1973, 29-34, Stiffening effect of centrifugal force on fundamental frequency of coupled vibration of a rotating slender beam under aerodynamic couplings 4, 1973, 35-44, Vibrations of a twisted strip under centrifugal and unsteady aerodynamic force field 9, 1978, 68-74
- Sharma, B. D. & Dass, B. K. Bounds for burst-error and random-error correcting linear codes 6, 1975, 294-302, On weights of bursts 8, 1977, 1519-1524
- Sharma, B. D. & Gupta, S. N. A note on special-purpose convolutional codes 8, 1977, 320-326
- Sharma, B. D. & Gurdial Bound on distortion due to error for a minimum distortion decoding scheme 8, 1977, 558-566
- Sharma, B. D. & Man Mohan Moments of an M L. E. of entropy and 'useful' information of degree  $\theta$  9, 1978, 987-992
- Sharma, B. D. & Raina, N. Coding theorem for a generalized maximum likelihood decoding scheme 9, 1978, 1091-1102
- Sharma, B. D. & Ram Autar A functional equation of two variables in information 7, 1976, 121-129
- Sharma, B. D., Dass, B. K. & Gupta, S. N. A sufficient condition for the existence of high-density-burst correcting linear codes 8, 1977, 816-820
- Sharma, B. M. Waves in a heavy incompressible fluid of finite depth and of variable density 8, 1977, 527-537

- Sharma, C. K. An application of generalized Jacobi transform to solve a partial differential equation governing heat conduction in a moving anisotropic rectangular slab 6, 1975, 1145-1153; On certain finite and infinite summation formulae of generalized Fox X-function 4, 1973, 278-286, On Fourier series for generalized Fox functions and their applications 5, 1974, 501-508
- Sharma, C. K. *See* Gupta, P. M. & Sharma, C. K.; also *see* On certain integrals involving Fox's H-function 3, 1972, 992-995; On certain transformation formulae and Fox's H-function of two variables I 4, 1973, 844-855
- Sharma, C. L. *See* Dube, S. N. & Sharma, C. L., 7, 610-615 & 8, 196-200
- Sharma, G. C. *See* Gupta, S. P. & Sharma, G. C., 9, 290-297, also *see* Hari Krishan & Sharma, G. C., 10, 1552-1557
- Sharma, H. G. Axially symmetric flow of a second order fluid near a stagnation point with uniform high suction 4, 1973, 103-121; Creeping motion of a non-Newtonian fluid past a sphere 10, 1979, 1565-1574
- Sharma, H. G. & Prakash, A. Flow of a second-order fluid in a curved pipe 8, 1977, 546-557
- Sharma, H. G. & Sharma, U. P. Flow of a second-order fluid between two infinite rotating discs with injection 6, 1975, 36-44
- Sharma, H. S. *See* Gupta, M., Dubey, G. K. & Sharma, H. S., 10, 792-799
- Sharma, H. S. Unsteady flow of viscoelastic fluids through circular and coaxial circular ducts with pressure gradient as any function of time 3, 1972, 535-542
- Sharma, J. K. Extensions and special cases of transportation problem A survey 9, 1978, 928-940
- Sharma, J. K. & Sharma, M. M. On mixed integer solutions to Goal programming problems 11, 1980, 314-320
- Sharma, J. K. & Swaroop, K. Indefinite quadratic programming and transportation technique 8, 1977, 1029-1031
- Sharma, J. K., Gupta, A. K. & Gupta, M. P. Extension of simplex technique for solving fractional programming problems 11, 1980, 961-968
- Sharma, J. P. A new approach to study M-solutions of the Lane-Emden equation of index 5 8, 1977, 718-722
- Sharma, J. P. *See* Dwivedi, A. P. & Sharma, J. P., 11, 1600-1608
- Sharma, J. P. *See* Viswanathan, K. & Sharma, J. P., 7, 817-828 & 829-840
- Sharma, K. C. *See* Rath, P. C. & Sharma, K. C., 2, 713-721 & 7, 387-406
- Sharma, K. C. & Rath, P. C. On a secondary problem of exterior ballistics 2, 1971, 122-134
- Sharma, K. G. *See* Beohar, B. K. & Sharma, K. G., 1475-1481
- Sharma, L. K. On redundant poles of the S-matrix 5, 1974, 568-571
- Sharma, L. K. *See* Singh, F. & Sharma, L. K., 3, 142-147

- Sharma, M. M. *See* Chandra, P. & Sharma, M. M., 6, 274-275 & 10, 191-203
- Sharma, M. M. *See* Sharma, J. K. & Sharma, M. M., 11, 314-320
- Sharma, R. *See* Sinha, B. B. & Sharma, R., 9, 811-817, 818-822 & 1083-1090 & 10, 1009-1019
- Sharma, R. K. Periodic orbits of collision in the restricted problem of three bodies, when the bigger primary is an oblate spheroid 4, 1973, 355-363; Periodic orbits of collision in the restricted problem of three bodies in a three-dimensional coordinate system when the bigger primary is an oblate spheroid 5, 1974, 147-155; Periodic orbits of collision in the restricted problem of three bodies when the bigger primary is slowly rotating oblate spheroid 5, 1974, 192-200; Perturbations of Lagrangian points in the restricted three-body problem 6, 1975, 1099-1102; Stability of the generating solution in the restricted problem of three bodies 6, 1975, 469-475
- Sharma, R. R. Functional integro-differential equations containing measures 4, 1973, 705-722
- Sharma, R. S. *See* Joshi, B. K. & Sharma, R. S., 7, 1081-1090
- Sharma, S. On absolute Nvrlund summability factor of Legendre series 11, 1980, 655-665; Some more generalized generating functions theorems 8, 1977, 1465-1471
- Sharma, S. *See* Beohar, B. K. & Sharma, S., 1151-1156
- Sharma, S. D. Expansion of Kampi de Firiet function in terms of generalised prolate spheroidal wave function and its applications 9, 1978, 764-770, On multiple finite Mathieu transformations 9, 1978, 633-639
- Sharma, S. D. & Gupta, R. K. Multiple finite spheroidal transform and its application 10, 1979, 1202-1212
- Sharma, S. M. & Rath, P. C. Magnus effect on the initial oscillations of a projectile 5, 1974, 311-320
- Sharma, S. P. *See* Pandey, S. N. & Sharma, S. P., 10, 1389-1396
- Sharma, U. *See* Mishra, R. S., Pandey, S. B. & Sharma, U., 9, 1291-1297
- Sharma, U. P. *See* Sharma, H. G. & Sharma, U. P., 6, 36-44
- Sharma, V. D. Weak discontinuities in magnetohydrodynamics 11, 1980, 942-948
- Sharma, V. D. & Radhe Shyam Behaviour at the wave heat of finite amplitude gasdynamic disturbance in a chemical reacting fluid flow 11, 1980, 478-486
- Sharma, V. D. & Ram, R. On the propagation of a cylindrical-MHD blast wave 10, 1979, 959-963
- Sharma, V. P. *See* Singh, P., Sharma, V. P. & Mishra, U. N., 9, 192-193
- Shastri, V. A. Generalized measure in fluid mechanics 5, 1974, 691-694
- Shehawey, E. F. El & Mohamed, A. El M. Electrohydrodynamic stability of a viscous circular interface 8, 1977, 648-655
- Sherif, S. Absolute tauberian constants for abel means of a function 8, 1977, 1-9;

- Absolute Tauberian constants for quasi-Hausdorff series-to-series transformations 8, 1977, 363-373
- Sherif, S. & Awaad, L. On Tauberian estimates for quasi-Hausdorff transformations 8, 1977, 374-378
- Sherif, S. & Hamad, H. On the ordinary and the absolute Tauberian constants for Hausdorff transformations 7, 1976, 1091-1095
- Sheth, I. H. *See* Acharya, J. D. & Sheth, I. H., 1420-1423; also *see* Prasanna, S. & Sheth, I. H., 11, 212-214
- Shetty, D. J. On harmonic and killing space admitting concurrent vector field 11, 1980, 983-987
- Shoop, R. A. Some applications of  $(f, d_n)$  summability 7, 1976, 1221-1240
- Shri Ram *See* Singh, K. P. & Shri Ram, 5, 241-245, 6, 1023-1030 & 7, 497-505
- Shri Ram *See* Singh, K. P., Singh, G. & Shri Ram, 9, 906-911
- Shrivastava, B. M. & Singh, F. Some new generating relations generalized horn functions 7, 1976, 1247-1252
- Shukla, H. S. *See* Pande, H. D. & Shukla, H. S., 8, 288-294 & 418-424
- Siddiqi, A. H. On the degree of approximation to a function by the Cesàro means of its Fourier series 2, 1971, 367-373
- Siddiqui, A. *See* Prasad, Y. N. & Siddiqui, A., 7, 769-778
- Siddiqui, U. *See* Ahmad, Z. U. & Siddiqui, U.
- Sinah, R. S. On projectively related recurrent and projective recurrent Finsler spaces 10, 1979, 394-399
- Sing, V. P. Modification of energy hypothesis for the case of explosive charge 7, 1976, 147-150
- Singal, R. P. Transformation formulae for Kampé de Fériet hypergeometric function 2, 1971, 610-614
- Singare, S. M. & Pachpatte, B. G. On certain discrete inequalities of the Wendroff type 11, 1980, 727-736
- Singh Gautam, S. K. *See* Kamthan, P. K. & Singh Gautam, S. K.
- Singh, F. *See* Shrivastava, B. M. & Singh, F.
- Singh, A. *See* Dhaliwal, R. S. & Singh, A., 9, 343-357
- Singh, A. *See* Singh, G. & Singh, A., 11, 1095-1104 & 1249-1258
- Singh, A. *See* Singh, H. & Singh, A., 3, 1311-1320
- Singh, A. K. On Einstein-Kählerian conharmonic recurrent spaces 10, 1979, 486-492; On Kählerian concircular recurrent and Kählerian concircular symmetric spaces 10, 1979, 74-83
- Singh, A. K. *See* Prasad, Y. N. & Singh, A. K., 10, 1497-1503
- Singh, A. K. *See* Singh, U. P. & Singh, A. K., 10, 1196-1201
- Singh, A. P. *See* Tripathi, L. M. & Singh, A. P., 11, 198-207
- Singh, B. *See* Dahiya, R. S. & Singh, B., 3, 493-495; On the oscillation of certain second-order non-linear delay equation 4, 1973, 782-797; Projective

- motion in an  $n$ -dimensional special Kawaguchi space 10, 1979, 183-190
- Singh, B. *See* Dahiya, R. S. & Singh, B., 4, 374-378 & 5, 204-257
- Singh, B. *See* Gupta, S. C. & Singh, B., 3, 1038-1047
- Singh, B. *See* Jain, D. R. & Singh, B., 11, 640-647
- Singh, B. *See* Pande, H. D. & Singh, B., 8, 295-301
- Singh, B. M. On mixed boundary value problem in electrostatics 6, 1975, 166-176; also *See* Dubey, G. K., Srivastava, D. N. & Singh, B. M.; Torsion of a finite elastic cylindrical rod partially bonded to an infinite elastic cylinder 4, 1973, 287-299
- Singh, B. M. & Dhaliwal, R. S. Axisymmetric contact problem for a granular layer lying over an elastic foundation 9, 1978, 668-681, 8, 1145-1156
- Singh, B. M. & Gupta, P. M. Electrostatic field of two parallel coplanar condensers 5, 1974, 119-127, On a triple equations involving Fourier Bessel series 5, 1974, 775-784
- Singh, C. B. & Ram, P. C. Unsteady flow of an electrically conducting dusty viscous liquid through a channel 8, 1977, 1022-1028
- Singh, D. On four-part mixed boundary value problem of elasticity 6, 1975, 597-603
- Singh, D. P. Compressible boundary layer flow in a converging canal 5, 1974, 101-110; Heat transfer from a moving converging canal 7, 1976, 445-454; also *see* Sarma, G. N. & Singh, D. P., 4, 161-170
- Singh, F. & Sharma, L. K. Coulomb wave functions in terms of Jacobi polynomial and generalized confluent hypergeometric functions 3, 1972, 142-147
- Singh F., & Shivadava, B. M., 7, 1245-1252
- Singh, G. *See* Singh, K. P. & Singh, G., 11, 800-804
- Singh, G. *See* Singh, K. P., Singh, G. & Shri Ram, 9, 906-911
- Singh, G. & Prasad, G. Relativistic electromagnetic fluids and time-like FCRC mappings-I 11, 1980, 1064-1071
- Singh, G. & Singh, A. Propagation, reflection and transmission of longitudinal waves in non-homogeneous five-parameter viscoelastic rods 11, 1980, 1249-1258; Wave propagation in a linear random non-homogeneous viscoelastic semi-infinite rod 11, 1980, 1095-1104; Heat transfer due to the pulsating rate of heat addition superposed on steady temperature of incompressible fluid between two confocal elliptic cylinders 1, 1970, 45-51; MHD fluctuating flow of a viscous conducting fluid over a porous flat plate with time-dependent suction 1, 1970, 37-44
- Singh, H. *See* Dubey, R. S. D. & Singh, H., 11, 1125-1129
- Singh, H. The mixed semigroup relation 9, 1978, 389-393
- Singh, H. & Buche, A. B. On some analytic properties of the modified exponential cosine operator 10, 1979, 913-919; On the differential and

- integral equations associated with the modified exponential-cosine operator function 11, 1980, 354-367; On the generation theorems for modified exponential-cosine operator 11, 1980, 368-383
- Singh, H. & Singh, A. Thermoelastic deformations in a slab 3, 1972, 1311-1320
- Singh, I. On Sharma-Taneja's entropy of type  $(\alpha, \beta)$  9, 1978, 564-569
- Singh, I. J. P. See Sinha, B. B. & Singh, I. J. P., 6, 416-422, 28-31 & 7, 490-496
- Singh, J. See Dube, S. N. & Singh, J., 3, 695-699 & 1175-1182
- Singh, J. Steady motion of viscous compressible fluid through co-axial elliptical pipes 3, 1972, 769-774
- Singh, J. Theoretical consideration of temperature distribution in a rectangular channel 3, 1972, 775-782
- Singh, J. & Dube, S. N. Unsteady flow of a dusty fluid through a circular pipe 6, 1975, 69-79
- Singh, J. B. See Verma, B. G. & Singh, J. B., 11, 673-681 & 1072-1084
- Singh, J. P. & Pathak, R. S. Unsteady flow of a dusty viscous fluid through a tube with sector of a circle as cross-section 8, 1977, 314-319; Unsteady flow of a dusty viscous fluid through a uniform pipe with sector of a circle as cross-section 8, 1977, 696-701
- Singh, K. Axisymmetric problem for an infinite cylinder 3, 1972, 950-959; Axisymmetric problem for an infinite cylinder containing radially stretchable disc 6, 1975, 132-143
- Singh, K. See Gupta, H. & Singh, K., 10, 1249-1265
- Singh, K. K. See Verma, B. G. & Singh, K. K., 9, 332-342
- Singh, K. K. Unsteady flow of a conducting dusty fluid through a rectangular channel with time dependent pressure gradient 8, 1977, 1124-1131
- Singh, K. N. See Lal, S. N. & Singh, K. N., 11, 1617-1625
- Singh, K. P. & Abdussattar A. Plane-symmetric null electromagnetic field 6, 1975, 1225-1230; Escape of neutrinos from within cylindrically symmetric cluster of particles 7, 1976, 1400-1404; Perfect fluid surrounded by a frozen photon field 4, 1973, 468-472
- Singh, K. P. & Roy, S. R. Classification of electromagnetic fields 3, 1972, 532-534
- Singh, K. P. & Shri Ram. Curvature collineation for plane symmetric cosmological model 5, 1974, 241-245, Curvature collineations in some cosmological models 6, 1975, 1023-1030, Electromagnetic fields conformal to some non-empty space-times 7, 1976, 497-505
- Singh, K. P. & Singh, G. Symmetry properties of certain gravitational space-times 11, 1980, 800-804
- Singh, K. P. & Singh, R. S. Gravitational collapse with escaping neutrinos in Liouville four-fold and product space  $(V_3 \times V_1)$  7, 1976, 181-186
- Singh, K. P. & Srivastava, M. C. Petrov classification of a non-static axially

- symmetric torroidal distribution 5, 1974, 533-555
- Singh, K. P. & Upadhyay, R. C.** A plane symmetric universe of disordered radiation 5, 1974, 1044-1048, Plane symmetric distribution of charged perfect fluid 4, 1973, 503-508
- Singh, K. P., Singh, G. & Shri Ram.** Curvature collineation for the field of total radiation 9, 1978, 906-911
- Singh, Lalji.** See Pandey, R. N. & Singh, Lalji, 1, 52-63 also see Tripathi, G., Pandey, R. N. & Singh, Lalji
- Singh, M.** A study on the periods of higher modes of pulsations 5, 1974, 609-615; Radial pulsations of composite polytropes with same central condensation 1, 1970, 180-184
- Singh, M.** See Pugh, C. E. & Singh, M., 5, 530-552 & 638-694
- Singh, M.** See Sarma, G. N. & Singh, M., 5, 854-867
- Singh, M. & Sarma, G. N.** Local heat transfer from a yawed wedge 6, 1975, 735-745
- Singh, M. P. & Mishra, R. S.** Properties of Tachibanna concircular curvator tensor 4, 1973, 568-575
- Singh, N.** A finite integral involving a Jacobi polynomial and a generalized H-function of two variables 11, 1980, 1497-1503
- Singh, N.** See Anandan, P. & Singh, N., 1166-1169
- Singh, O. P.** See Rathore, R. K. S. & Singh, O. P., 11, 547-561
- Singh, P.** See Bajpai, P. L. & Singh, P., 701-707
- Singh, P.** See Chandra, S. & Singh, P., 4, 745-748 & 6, 1270-1275
- Singh, P.** See Das, R. N. & Singh, P., 8, 864-872
- Singh, P.** See Jain, P. K. & Singh, P., 7, 234-240
- Singh, P.** See Rattan Chand & Singh, P., 10, 1167-1174
- Singh, P. & Bhattacharya, D. K.** Application of G P D P to heat conduction problem 9, 1978, 407-416; Variational method to forced convection heat transfer near forward stagnation point of a cylinder 10, 1979, 1092-1098
- Singh, P., Sharma, V. P. & Mishra, U. N.** Response of horizontal free convection boundary layer to plate temperature oscillations 9, 1978, 182-193
- Singh, R.** See Singh, S. & Singh, R., 11, 160-164
- Singh, R.** See Singh, V. & Singh, R., 7, 116-120 & 8, 1497-1504
- Singh, R. & Singh, V.** On a class of bounded starlike functions 5, 1974, 733-754; also see 7, 116-120
- Singh, R. K.** Inner functions and composition operators on a Hardy space 11, 1980, 1297-1300
- Singh, R. K. & Gupta, D. K.** Regular Borel measures and composition operators on  $L^p(\mu)$  10, 1979, 502-504
- Singh, R. K., Kumar, A. & Gupta, D. K.** Quasinormal composition operators on  $l_p^2$  11, 1980, 904-907
- Singh, R. N. & Mishra, R. S.** On a



- specified affine connexion in an almost contact manifold 8, 1977, 84-89; On an invariant submanifold in a  $f(5, 3)$ -structure manifold 9, 1978, 1033-1038
- Singh, R. S. On the recurrency of product of two surfaces 9, 1978, 318-319
- Singh, R. S. *See* Singh, K. P. & Singh, R. S., 7, 181-186
- Singh, S. Analysis of each integer as sum of two cubes in a finite integral domain 6, 1975, 29-35; Bound for the solutions of a diophantine equation in prime galois fields 8, 1977, 1428-1430; Bounds of cubic residues in A.P. 1, 1970, 265-268; Integer points of special hyper-elliptic curves in  $GF(p)$  10, 1979, 1213-1215; The number of decompositions of an integer as a sum of two squares in  $GF(p^n)$  4, 1973, 606-611
- Singh, S. & Singh, R. On a subclass of  $\alpha$ -spiral-like functions 11, 1980, 160-164
- Singh, S. D. *See* Hussain, M. A., Srivastava, A. N., Singh, S. D. & Singh, S. N.
- Singh, S. D. *See* Mishra, R. S. & Singh, S. D., 6, 444-450, 1309-1316, 1317-1325 & 8, 1512-1530
- Singh, S. D. *See* Srivastava, A. N., Singh, S. D. & Singh, S. N., 10, 124-128 & 326-329
- Singh, S. L. & Singh, S. P. A fixed point theorem 11, 1980, 1584-1586
- Singh, S. N. *See* Hussain, M. A. & Singh, S. N., 9, 1158-1162, 10, 1504-1507, 11, 1018-1020
- Singh, S. N. *See* Hussain, M. A., Srivastava, A. N. & Singh, S. N., 10, 330-333
- Singh, S. N. *See* Hussain, M. A., Srivastava, A. N., Singh, S. D. & Singh, S. N., 11, 1325-1328
- Singh, S. N. *See* Prasad, Y. N. & Singh, S. N., 10, 1497-1503
- Singh, S. N. *See* Srivastava, A. N. & Singh, S. N., 10, 1121-1126, 1312-1318 & 11, 870-873
- Singh, S. N. *See* Srivastava, A. N., Singh, S. D. & Singh, S. N., 10, 124-128 & 326-329
- Singh, S. N. Temperature distribution over an infinite plate 3, 1972, 488-492
- Singh, S. P. On the compressible flows around a circular cylinder and a sphere 10, 1979, 778-784
- Singh, S. P. *See* Ray, B. K. & Singh, S. P., 9, 216-221 & 11, 1482-1486
- Singh, S. P. *See* Singh, S. L. & Singh, S. P., 11, 1584-1586
- Singh, S. P. *See* Sinha, B. B. & Singh, S. P., 4, 45-50
- Singh, T. Degree of approximation by Cesàro means of Fourier-Laguerre series 9, 1978, 394-399; On some Brans-Dicke fields generated from Einstein's vacuum fields 7, 1976, 482-489; On some Brans-Dicke fields generated from Einstein's vacuum fields II 8, 1977, 1205-1213, On the absolute Nvrlund summability factors of infinite series 8, 1977, 60-67; On the absolute summability factors of Fourier-Luguerre expansion 7, 1976, 961-968; The absolute Cesaro summability of Laguerre series 10, 1979, 437-441
- Singh, T. & Gupta, R. K. Steady flow of elastico-viscous fluid through the

- annulus of porous coaxial cylinders  
6, 1975, 494-503
- Singh, T. & Rai, L. N. On spherically symmetric solutions of a scalar-tensor theory of gravitation in a Lyra manifold 10, 1979, 1432-1436
- Singh, T. & Yadav, R. B. S. An anisotropic magnetohydro- dynamic universe in general relativity 11, 1980, 917-930; Cylindrically symmetric self-gravitating fluids with pressure equal to energy density 9, 1978, 900-905; Newtonian analogue of force and relativistic drag on a free particle in the gravitational field of a combined Kerr-NUT field 11, 1980, 908-916; Static fluid spheres in Einstein-Cartan theory 10, 1979, 14-25
- Singh, T. G. Some bounds for the multiplier of a finite group 10, 1979, 1383-1388
- Singh, U. B. See Singh, U. P. & Singh, U. B., 9, 1254-1262
- Singh, U. P. Hypersurfaces of C-reducible Finsler spaces 11, 1980, 1278-1285; The curvature of a congruence relative to a vector-field of a Finsler hyper-surface 1, 1970, 341-346
- Singh, U. P. & Chaubey, G. C. Curvature theories of Finsler subspaces with the standpoint of semi-symmetric connections 10, 1979, 112-123, On hypersurfaces of recurrent Finsler spaces 8, 1977, 497-504
- Singh, U. P. & Dubey, S. K. Theory of lie derivatives and motions in special Kawaguchi spaces and its subspaces 9, 1978, 709-717
- Singh, U. P. & John, V. N. On induced and intrinsic connections of Rander's hypersurface 9, 1978, 1188-1196
- Singh, U. P. & Singh, A. K. On neo-pseudo projective tensor fields 10, 1979, 1196-1201
- Singh, U. P. & Singh, U. B. On semi-symmetric connection parameters in Finsler subspaces 9, 1978, 1254-1262
- Singh, U. P. & Srivastava, R. J. On induced theory of semi-symmetric and quarter-symmetric linear connections 10, 1979, 479-485
- Singh, V. Bounds on the curvature of level lines under certain classes of univalent and locally univalent mappings 10, 1979, 129-144; Periodic solutions of Schwarzschild's type in the relativistic restricted problem of three bodies 7, 1976, 1351-1357
- Singh, V. See Goel, R. M. & Singh, V., 3, 1118-1130
- Singh, V. See Goel, R. N. & Singh, V., 4, 402-421
- Singh, V. See Singh, R. & Singh, V., 5, 733-754
- Singh, V. Univalent functions with bounded derivative in the unit disc 8, 1977, 1370-1377
- Singh, V. & Chichra, P. N. Univalent functions  $f(z)$  for which  $zf'(z)$  is  $\alpha$ -spiral-like 8, 1977, 253-260
- Singh, V. & Gupta, R. S. An external problem for functions with positive real part 8, 1977, 1279-1297; Radius of convexity of  $\alpha$ -spiral like functions 6, 1975, 322-336
- Singh, V. & Paul, S. Constrained extremal

# AUTHOR INDEX

- problems for functions with positive real part 8, 1977, 454-462
- Singh, V. & Singh, R. On a class of functions Schlicht in the unit disc 7, 1976, 116-120, The radii of starlikeness of certain classes of close-to-convex functions 8, 1977, 1497-1504
- Singh, V. B. *See* Dwivedi, A. P. & Singh, V. B., 8, 1068-1077
- Singh, V. N. On some double integrals involving Meijer's G-function 8, 1977, 189-195
- Singh, V. P. *See* Prasad, B. N. & Singh, V. P., 11, 1270-1277
- Singh, V. P. & Bola, M. S. A note on explosive shock in homogeneous water 7, 1976, 1405-1410
- Singh, V. P., Jha, M. K. & Bola, M. S. A note on spherical shock waves in water 7, 1976, 983-987
- Singhal, A. K. & Ramachandra Rao, B. S. A note on an orthogonality relation for stress analysis in a multi-layered laminated disc 10, 1979, 1146-1150; Stress analysis in bonded sector plates 10, 1979, 938-949
- Singhal, B. M. A technique to evaluate the integrals involving product of orthogonal polynomials 7, 1161-1165; A transformation from G-functions to H-functions of two variables 7, 1976, 682-691; Note on a formula of Erdelyi 7, 1976, 1358-1360; On product of generalized hypergeometric functions 5, 1974, 1141-1146; Operational techniques with certain double generalized transform 7, 1976, 1305-1314; Some identities and hypergeometric functional relations 7, 1976, 1203-1212
- Singhi, B. & Lal, J. Magnetohydrodynamic axial flow in a triangular pipe under transverse magnetic field 9, 1978, 101-115
- Sinha, B. B. A generalization of Gauss and Codazzi's equations for intrinsic curvature tensor 2, 1971, 270-274, On almost complex spaces 2, 1971, 422-428, On almost product spaces 1, 1970, 450-453; On  $H$ -projective connexions 3, 1972, 263-267, Projective invariants in a special Kawaguchi space 3, 1972, 969-972
- Sinha, B. B. *See* Prasad, G. & Sinha, B. B., 9, 447-456 & 893-899
- Sinha, B. B. & Chaubey, D. N. On affine connexion in an almost contact manifolds II 7, 1976, 511-515; On affine connexions in almost complex manifold 6, 1975, 247-252; On almost Sasakian manifold 8, 1977, 201-210
- Sinha, B. B. & Chaubey, D. N. *See* Sinha, B. B. & Chaubey, D. N.
- Sinha, B. B. & Narain, D. Hyper-surfaces of almost paracontact metric manifold 9, 1978, 1298-1304, Polynomial structure on almost paracontact manifold 9, 1978, 753-760
- Sinha, B. B. & Sharma, R. Hyper-surfaces in an almost paracontact manifold 9, 1978, 1083-1090; Infinitesimal variations of hypersurfaces of an almost product and almost decomposable manifold 10, 1979, 1009-1019, On a special quadratic structure on differentiable manifolds 9, 1978, 811-817; On a structure  $f$  satisfying  $f^2 + \alpha f - I = 0$  9, 1978, 818-823

- Sinha, B. B. & Singh, I. J. P. On  $(f, g, u, v)$ -structure 7, 1976, 490-496
- Sinha, B. B. & Singh, I. J. P. On an affine connexion in almost contact manifold 7, 1976, 1-12
- Sinha, B. B. & Singh, I. J. P. On H-curvature tensors in almost product and almost decomposable manifold II 6, 1975, 416-422
- Sinha, B. B. & Singh, S. P. Recurrent Finsler spaces of second order II 4, 1973, 45-50
- Sinha, B. B. & Singh, I. J. P. On H-curvature tensors in almost product and almost decomposable manifold 7, 1976, 28-31
- Sinha, B. B. & Tripathi, R. S. On decomposition of curvature tensor fields in recurrent spaces of second order 5, 1974, 426-429
- Sinha, D. K. *See* Gupta, M. & Sinha, D. K., 11, 522-526
- Sinha, D. P. *See* Majumdar, S. K. & Sinha, D. P., 8, 627-636
- Sinha, I. J. P. *See* Sinha, B. B. & Sinha, I. J. P.
- Sinha, K. S. & Gupta, V. Oscillation of a sphere along the axis of a rotating fluid 11, 1980, 1673-1680
- Sinha, K. S. & Gupta, V. Slow motion of a spheroid in a rotating fluid 10, 1979, 1183-1195
- Sinha, K. S. & Sahai, B. Asymptotic expansions of the solutions for small and large Rossby numbers 9, 1978, 34-46
- Sinha, P. K. Elastic deformations due to heat sources in finite cylinders 7, 1976, 376-386, Thermal stresses and displacements in layered system 7, 1976, 1288-1304
- Sinha, P. K. *See* Das, S. C. & Sinha, P. K.
- Sircar, R. Dynamic response of circular plates on elastic foundation subjected to sonic booms 6, 1975, 530-538, Fundamental frequency of vibration of a rectangular plate on a nonlinear elastic foundation 11, 1980, 252-255
- Sisarcick, W. C. A Hahn-Banach theorem for linear spaces with an invariant metric 6, 1975, 841-848, Metric spaces of entire functions 6, 1975, 628-636; also *see* Fields, J. W. & Sisarcick, W. C., 6, 1378-1387
- Sita Ramaiah, V. & Suryanarayana, D. Sums of reciprocals of some multiplicative functions-II 11, 1980, 1334-1355
- Sithapati, A. *See* Rammana Rao, V. V. & Sithapati, A., 5, 835-836
- Sivakesan, P. On two capacities in a Harmonic space 11, 1980, 648-654
- Siya Ram. On the absolute Nvrlund summability factors of infinite series 2, 1971, 275-282
- Siya Ram. *See* Lal, S. N. & Siya Ram, 2, 275-282
- Smith, A. C. *See* Agrawal, K. M. & Smith, A. C., 1256-1268
- Smith, B. L. On the structure of uniformly rotating polytropes 6, 1975, 918-930
- Sneh Lata. *See* Prakash, N. & Sneh Lata, 11, 1193-1204

- Sohi, N. S. A class of  $p$ -valent analytic functions 10, 1979, 826-834
- Sohi, N. S. On a subclass of  $p$ -valent functions 11, 1980, 1504-1508
- Sohi, N. S. See Goel, R. M. & Sohi, N. S., 11, 1356-1360
- Somasundaram, D. Inclusion theorems on matrix transformations of some sequence spaces over non-Archimedean fields-II 5, 1974, 337-342; On the space of a certain class of entire functions of several complex variables 10, 1979, 1437-1442; On a Hilbert space of entire functions 5, 1974, 921-932, Inclusion theorems for the sequence spaces of Allen 7, 1976, 969-976
- Somasundram, D. & Chinnadurai, P. P. Summability matrices over non-Archimedean fields 7, 1976, 912-923
- Sonavane, K. R. A representation of one-sided Laplace transformable generalized functions 7, 1976, 477-481
- Sonavane, K. R. & Bhonsle, B. R. Some operation transform formulae for distributional one sided Laplace transformation 8, 1977, 1308-1314
- Soni, R. S. Entropy and information of comparison under generalized additivity and non-additivity 10, 1979, 867-877; On a functional equation connected with information and information improvement 7, 1976, 787-798; On information improvement 8, 1977, 944-954
- Soni, S. L. Fourier series for H-function of two variables 5, 1974, 272-277
- Soni, S. R. See Jain, R. K. & Soni, S. R., 4, 267-277
- Soundalgekar, V. M. Unsteady MHD free convection flow past an infinite vertical flat plate with variable suction 3, 1972, 426-436
- Soundalgekar, V. M. & Desai, G. A. Effects of external circuit on heat transfer in a channel flow between conducting walls 2, 1971, 479-486
- Soundalgekar, V. M. & Desai, G. A. Viscous dissipation effects on the unsteady free convective flow of an elastico-viscous fluid past an infinite vertical plate with constant suction 10, 1979, 1397-1404
- Soundalgekar, V. M. & Dhavale, A. T. On generalized MHD couette flow with heat between conducting walls 1, 1970, 608-624
- Soundalgekar, V. M. & Haldavnekar, D. D. Effects of external circuit on MHD couette flow between conducting walls with heat transfer 3, 1972, 64-81
- Squire, W. Improvement of Sastry's numerical solution of an integral equation by Richardson extrapolation 8, 1977, 137-138
- Sra, K. S. See Narasimhan, M. N. L. & Sra, K. S., 2, 549-560
- Sra, K. S. The combined generalized measure approach to the study of some steady laminar flows of viscoelastic fluids that exhibit pseudoplasticity 8, 1977, 1445-1455
- Sreenivasulu, V. A theorem on the order of an entire function of several complex variables 2, 1971, 312-317;

- On the exceptional values of entire functions 3, 1972, 973-978
- Sridhar, S. Bounded index and summability methods 10, 1979, 161-165
- Sridhara, J. K. See Ramachandra Rao, B S & Sridhara, J K., 4, 171-178
- Srinivasan, S. On algebraic approximations to  $2^{\pi R}$  ( $K = 1, 2, 3 \dots$ ) 5, 1974, 513-523
- Srinivasan, V. & Bathaiah, D. The flow of a conducting viscous incompressible fluid between two parallel plates under a uniform transverse magnetic field 9, 1978, 511-517
- Srivastava A. See Gupta, K. C. & Srivastava A., 2, 495-500 & 3, 322-328 & 1131-1140
- Srivastava, A. An application of the theorem of Srivastava and Brenner 9, 1978, 761-763; On the inverse Laplace transform  $p^{-\alpha} e^{np} W_{k,r}(2np) G^{\alpha\beta}_{\gamma\delta}[a/p(ay)(bs)]$  5, 1974, 825-831
- Srivastava, A. See Gupta, K. C. & Srivastava, A.
- Srivastava, A. See Prabhakar, T. R., Srivastava, A. & Tomar, R. C., 10, 1284-1287
- Srivastava, A. & Rao, A. B. On a polynomial of the form  $Fa$  6, 1975, 1326-1334
- Srivastava, A. N. See Hussain, M. A., Srivastava, A. N. & Singh, S. N., 10, 330-333
- Srivastava, A. N. See Hussain, M. A., Srivastava, A. N., Singh, S. D. & Singh, S. N., 11, 1325-1328
- Srivastava, A. N. & Singh, S. N. On orthogonal polynomials related to the ultraspherical polynomials 11, 1980, 870-873, On the Konhauser polynomials  $Y_n^\alpha(x, k)$  10, 1979, 1121-1126; Some generating relations connected with a function defined by a generalized Rodrigues formula 10, 1979, 1312-1318
- Srivastava, A. N., Singh, S. D. & Singh, S. N. On a function defined by generalized Rodrigues' formula 10, 1979, 124-128. Operational derivation of generating functions of a generalized function 10, 1979, 326-329
- Srivastava, D. N. See Dubey, G K, Srivastava, D. N. & Singh, B. M., 8, 1145-1156
- Srivastava, H. M. On reciprocal functions 3, 1972, 704-713
- Srivastava, H. M. See Buschman, R G & Srivastava, H M, 6, 583-589
- Srivastava, J. P. See Mishra, R S, Srivastava, J. P & Rai, S. P, 9, 1275-1281
- Srivastava, K. B. See Chauhan, B. P. S. & Srivastava, K. B., 9, 771-786
- Srivastava, K. M. See Abani, K. & Srivastava, K M, 9, 1312-1321
- Srivastava, K. M. See Bajwa, G S & Srivastava, K M., 41-49
- Srivastava, K. M. & Abani, K. On the modulations of thermal convection instability of a rotating fluid 8, 1977, 1235-1252
- Srivastava, K. N. On three-part mixed boundary value problems in

- two-dimensional theory of elasticity  
1, 1970, 153-169
- Srivastava, K. N.** *See* Paliya, R. M. &  
Srivastava, K. N., 3, 1086-1098
- Srivastava, K. N. & Gupta, O. P.** On three  
parts mixed boundary value  
problem in potential theory 2, 1971,  
704-712
- Srivastava, K. N. & Kumar, M.** On  
distribution of stress in an infinite  
solid containing a cylindrical cavity  
and two strip cracks 3, 1972,  
830-839; On three part mixed  
boundary value problems of  
elastostatics for an isotropic cylinder  
containing two strip cracks opened  
by internal pressure 1, 1970, 625-639
- Srivastava, K. N. & Nath, B.** Thermal stress  
in a two-dimensional infinite elastic  
medium weakened by two coplanar  
Griffith cracks 3, 1972, 313-321
- Srivastava, K. N. & Saxena, V. P.**  
Axisymmetric problem of an infinite  
elastic plate in contact with two  
punches 3, 1972, 1278-1288
- Srivastava, K. N., Choudhary, A. &  
Palaiya, R. M.** Mellin transform  
technique for solving Griffith crack  
problem at the interface of two  
bonded dissimilar wedges 10, 1979,  
147-157
- Srivastava, K. N., Kumar, M. & Jha, A. C.**  
An edge crack in a thin semi-circular  
plate 8, 1977, 72-83
- Srivastava, K. N., Kumar, M. & Nath, B.**  
Thermal stresses in an infinite  
cylinder containing two strip cracks  
5, 1974, 201-224
- Srivastava, K. N., Palaiya, R. M. &  
Choudhary, A.** Systems of Griffith  
cracks lying at the interface of two  
bonded dissimilar elastic half-planes  
10, 1979, 633-645
- Srivastava, M. C.** *See* Singh, K. P. &  
Srivastava, M. C., 5, 533-555
- Srivastava, M. M.** *See* Masood, S. &  
Srivastava, M. M., 1, 110-128
- Srivastava, M. P.** Flow and heat transfer in  
plane couette flow of a rarefied gas  
using B-G-K model with ellipsoidal  
distribution 1, 1970, 243-257
- Srivastava, M. P.** *See* Bhatnagar, P. L. &  
Srivastava, M. P., 3, 384-395
- Srivastava, P. D.** On the space of certain  
class of analytic functions 10, 1979,  
84-93
- Srivastava, R. J.** *See* Singh, U. P. &  
Srivastava, R. J., 10, 479-485
- Srivastava, R. K.** *See* Kumar, M. &  
Srivastava, R. K., 9, 87-100
- Srivastava, R. K.** *See* Prasad, C. M. &  
Srivastava, R. K., 10, 920-927 &  
1175-1182
- Srivastava, R. S.** Heat transfer effects in a  
rotating straight pipe 3, 1972,  
1048-1052
- Srivastava, R. S. & Kumar, S.** Flow of an  
elastico-viscous fluid in a curved  
annulus 4, 1973, 491-502
- Srivastava, R. S. & Sarin, V.** Flow of a  
Biugham fluid in a curved annulus  
3, 1972, 755-768
- Srivastava, R. S. & Sarin, V. B.** Heat  
transfer effects for an  
elastico-viscous fluid in a curved  
pipe of elliptic cross-section 4, 1973,

- 509-518, Heat transfer for laminar flow in a rotating straight annular pipe 4, 1973, 193-204; Secondary flow in a straight rotating pipe of elliptic cross-section 7, 1976, 1426-1437
- Srivastava, R. S. & Sarin, V. B.** Heat transfer effects for an elastico-viscous fluid in a curved pipe 4, 1973, 437-448
- Srivastava, R. S. L.** *See* Khare, H C & Srivastava, R S. L., 3, 21-23
- Srivastava, R. S. L.** *See* Nandan, K., Doherey, R P & Srivastava, R. S. L., 11, 33-39 & 1424-1433
- Srivastava, S.** Structure of a cylindrical polytrope 3, 1972, 443-450
- Srivastava, S. N. & Dhawan, G. K.** Stress distribution due to a griffith crack at the interface of an elastic layer bounded to a half-plane 8, 1977, 1354-1369
- Srivastava, S. R. & Dass, L.** Heat transfer effects for laminar flow in a curved annulus 5, 1974, 758-774
- Srivastava, U. N.** *See* Ramanujam, N & Srivastava, U. N., 11, 98-113
- Stanojevic, C. V.** *See* Garrett, J W & Stanojevic, C. V., 7, 873-879
- Subhrahmanyam, K. H. S.** A fundamental growth relation between the supreme modulus and the maximum term of an entire Dirichlet series 11, 1980, 874-877
- Subrahmanyam, P. V.** *See* Reilly, I. L & Subrahmanyam, P. V., 11, 565-571
- Subramanian, S.** *See* Bhonsle, B. R. & Subramanian, S., 11, 878-884
- Suman Lata.** Double certraliser algebra with the strict topology 8, 1977, 124-128
- Sur, B. N.** Error analysis for polynomial and Fourier series evaluation 9, 1978, 382-388
- Sur, B. N.** *See* Majumdar, S. K & Sur, B N, 5, 361-363
- Suryanarayana, D.** *See* Sita Ramaiah, V & Suryanarayana, D, 11, 1334-1355
- Swami, S. P.** A note on the weakened field equations  $R_{ij,k} - R_{ik,j} = 0$  1, 1970, 485-491
- Swamy, S. R.** *See* Kulkarni, V N & Swamy, S R, 9, 467-480 & 1131-1137
- Swaroop, K.** *See* Bhatia, H L, Swaroop, K & Puri, M C, 920-929
- Swaroop, K.** *See* Sharma, J K & Swaroop, K., 8, 1029-1031
- Swarup, K.** *See* Arora, S R., Puri, M C & Swarup, K, 578-588
- Swarup, K.** *See* Garg, K. C & Swarup, K., 9, 556-563
- Swarup, K.** *See* Puri, M C & Swarup, K, 5, 894-901
- Swarup, K.** *See* Puri, M. C. & Swarup, K, 6, 227-236 & 5, 894-901
- Swarup, K. & Bedi, M. K.** Convex simplex method and non-linear programming problems 6, 1975, 190-209
- Tagare, S. G.** Evolution of a discountnuity in a gas of variability density flowing in a channel of variable cross-section 6, 1975, 115-131; Stability of flows in a relaxing gas in the neighbourhood of equilibrium position 7, 1976, 1071-1080



- Tagare, S. G.** *See* Prasad, P. & Tagare, S. G., 5, 845-853
- Tak, S. S.** *See* Bansal, J. L. & Tak, S. S., 1419-1483
- Takhar, H. S. & Whitelaw, M. H.** Asymptotic free convection from an insulated vertical flat plate at high Prandtl number 7, 1976, 1122-1136
- Tandon, O. P.** Contiguous relation for the H-function of  $n$  variables 11, 1980, 321-325
- Tandon, P. N. & Agarwal, K.** Behaviour of viscoelastic lubricants in reference to human joints 10, 1979, 43-50
- Tewari, V. D.** Natural convection flow of a viscoelastic liquid past a porous flat plate with uniform suction 3, 1972, 960-968
- Tewari, V. D.** *See* Dube, S. N. & Tewari, V. D., 3, 211-218
- Thajuddin, Md. & Sarma, K. S.** Torsional loading of a semi-infinite poroelastic solid 9, 1978, 1147-1153; Torsional vibrations of a semi-infinite poroelastic cylinder 9, 1978, 1138-1146
- Thakare, N.** Note on some formulas involving the products of several Jacobi or Laguerre polynomials 11, 1980, 1158-1161
- Thakare, N.** *See* Bhonsle, B. R., Prasad, R. D. & Thakare, N., 7, 717-727
- Thakare, N.** *See* Khasbardar, S. & Thakare, N., 8, 335-343
- Thakare, N.** *See* Pethe, P. & Thakare, N., 7, 1034-1031 & 8, 898-902
- Thakare, N. K.** *See* Karande, B. K. & Thakare, N. K.
- Thakare, N. K.** *See* Khasbardar, S. K. & Thakare, N. K., 7, 38-48, 9, 493-500 & 1236-1270
- Thakare, N. K.** *See* Patil, D. A. & Thakare, N. K., 9, 1353-1358, 10, 842-853 & 11, 1626-1629
- Thakare, N. K.** *See* Patil, K. R. & Thakare, N. K., 7, 1104-1118 & 8, 94-102 & 425-429
- Thakare, N. K.** *See* Pathe, P. V. & Thakare, N. K., 11, 562-564
- Thakare, N. K.** *See* Pethe, P. V. & Thakare, N. K., 7, 1024-1034 & 8, 890-902
- Thakare, N. K.** *See* Phadke, S. V. & Thakare, N. K., 7, 1438-1447 & 8, 487-496
- Thakare, N. K.** *See* Phadke, S. V., Khasbardar, S. K. & Thakare, N. K., 8, 335-343
- Thakare, N. K. & Madhekar, H. C.** A characterization for modified polynomial sets 11, 1980, 1649-1664
- Thakare, N. K. & Phadke, S. V.** Conditions on  $\rho$ -oid operators implying normality 11, 1980, 1188-1193
- Thakur, L. B.** Asymptotic behaviour of solutions of perturbed difference equations 9, 1978, 490-493; Finite time stability of stochastic control systems 10, 1979, 559-566
- Thangamani, J.** On starlike functions with respect to symmetric points 11, 1980, 392-406; The radius of univalence of certain analytic functions 10, 1979, 1369-1373
- Thyagarajan, R.** A characterization of regular points for the Dirichlet problem in a Harmonic space 11, 1980, 1007-1010

- Tikekar, R.** A note on plane symmetric perfect fluid distributions of embedding class on 11, 1980, 1681-1686
- Tikekar, R. S.** A note on perfect fluid spherical distributions in the curvature coordinate system 5, 1974, 470-477; On the gravitational invariant  $S = R^{hijk} R_{hijk}$  3, 1972, 783-790
- Tikekar, V. G.** Iterative procedure for coupled non-linear ordinary differential equations under two-point boundary conditions and application in flow and heat transfer of Rivlin-Ericksen fluid between two infinite parallel discs, one rotating and the other stationary 2, 1971, 615-630
- Tiwari, A. K.** A distributional generalized Stieltjes transformation 11, 1980, 1045-1054; On a distributional generalized Laplace transform 11, 1980, 1609-1616; On spaces of type  $L_{a,h}$  and their Laplace-Hankel transformations 10, 1979, 1532-1542; Pseudo functions and singular products of distributions 10, 1979, 1082-1091
- Tiwari, A. K. & Pandeya, B. M.** Pseudo projective in flexure 9, 1978, 941-949
- Tiwari, O. P.** See Roy, S. R. & Tiwari, O. P., 11, 609-617
- Tiwari, R. & Kashyap, J. N.** A cylindrical symmetric magnetostatic field in Einstein's unified field theory 3, 1972, 896-903
- Tiwari, R. & Kashyap, J. N. S.** A composite field exhibiting plane symmetry in Einstein's unified field theory 3, 1972, 1250-1255
- Tiwari, R. N.** A class of non-static cylindrically symmetric coupled zero-mass and electro-magnetic fields-I 10, 1979, 339-346
- Tiwari, R. N.** See Rao, J. R., Tiwari, R. N. & Bhamra, K. S., 9, 426-435
- Tiwari, R. N.** See Rao, P. P., Tiwari, R. N. & Rao, J. R., 10, 1140-1145
- Tiwari, R. N. & Bhamra, K. S.** Cosmological solutions for the metric representing null radiation 10, 1979, 543-547; Non-null eigenvalues of scalar fields 9, 1978, 981-986
- Tiwary, A. K.** Boolean completions as injective hulls of modules over Boolean rings 2, 1971, 116-121
- Tiwary, A. K. & Pandey, B. M.** On non-singular rings 6, 1975, 276-281
- Tiwary, A. K. & Paramhans, S. A.** On closures of submodules 8, 1977, 1415-1419
- Tomar, J. S.** See Sahu, A. R. & Tomar, J. S., 6, 151-157
- Tomar, J. S. & Dhole, A.** Coupled vibrations of a beam of linearly varying channel cross-section in a centrifugal force field 6, 1975, 784-799
- Tomar, R. C.** See Prabhakar, T. R. & Tomar, R. C., 11, 1063-1069, also see Prabhakar, T. R., Srivastava, A. & Tomar, R. C., 10, 1284-1287
- Tripathi, G., Pandey, R. N. & Singh, Lalji.** The disintegration of wave trains on deep water in presence of surface tension 1, 1970, 512-523
- Tripathi, L. M.** See Prasad, K. & Tripathi, L. M., 6, 687-694 & 824-831

- Tripathi, L. M. & Mishra, K. N. On the uniform Nvrlund summability of Legendre series 9, 1978, 167-174
- Tripathi, L. M. & Prasad, K. Absolute Nvrlund summability factors of Fourier series 5, 1974, 111-118; On the Nvrlund summability of the conjugate derived series of the Fourier series 4, 1973, 58-65
- Tripathi, L. M. & Singh, A. P. On Nvrlund summability of Fourier series and its conjugate series 11, 1980, 198-207
- Tripathi, P. S. *See* Mital, K. V. & Tripathi, P. S., 3, 1299-1310 & 4, 485-490
- Tripathi, R. S. *See* Sinha, B. B. & Tripathi, R. S., 5, 426-429
- Tripathi, S. D. *See* Pande, H. D. & Tripathi, S. D., 8, 282-287
- Tripathi, V. N. *See* Roy, S. R. & Tripathi, V. N., 2, 110-115 & 3, 926-937
- Trivedi, H. K. N. *See* Rastogi, S. C. & Trivedi, H. K. N., 3, 1058-1063
- Trivedi, T. N. *See* Dwivedi, A. P. & Trivedi, T. N., 5, 674-681, 7, 320-327 & 951-960
- Umar, S. On the absolute Chsaro summability of infinite series 6, 1975, 288-293; On the behaviour of Fourier sine transforms near the origin 6, 1975, 1459-1467
- Umar, S. *See* Habib, A. & Umar, S.
- Umar, S. & Khan, H. H. On  $|N_p, \gamma, \alpha|_k$  summability factors of Fourier series 10, 1979, 334-338; On  $|N_p, \gamma, \alpha|_k$  summability of infinite series 8, 1977, 752-757
- Umar, S., Wafi, A. & Khan, H. H. On the approximation of function of functions by general orthonormal polynomials on a finite segment 8, 1977, 218-222
- Umarani, P. G. On a subclass of spiral-like functions 10, 1979, 1292-1297
- Umarani, P. G. *See* Gopalakrishna, H. S. & Umarani, P. G., 11, 1011-1017
- Ungar, A. Spherization of plane Laplace function with applications to spherical heat flow 4, 1973, 587-592
- Upadhyay, M. Certain transformations for basic double hypergeometric functions of higher order 4, 1973, 341-354
- Upadhyay, M. D. On the congruence- $\mu$  2, 1971, 10-14; Some applications of Malus-Dupin theorem-I 2, 1971, 7-9
- Upadhyay, M. D. & Agarwal, A. K. On a quasi-normal  $(\psi, g, u, v, e, \lambda)$ -structure 11, 1980, 633-639
- Upadhyay, R. C. *See* Singh, K. P. & Upadhyay, R. C., 4, 503-508 & 5, 1044-1048
- Upadhyay, U. S. *See* Mishra, R. S. & Upadhyay, U. S., 4, 734-744
- Upadhyay, V. D. *See* Kashyap, J. N. S. & Upadhyay, V. D., 4, 253-258
- Usha Kiran. An uncountable number of polar topologies and non-convex topologies for a dual pair 8, 1977, 1456-1458
- Vaid, B. K. & Jain, D. K. Hydrodynamic problem for two coaxial circular disks 7, 1976, 1337-1345
- Vaid, B. K. & Jain, D. L. An electrostatic potential problem involving two

- co-axial circular disks in a free space 7, 1976, 1032-1038
- Varma, R. K. & Murgai, M. P.** The dynamics of gas-particle plumes from finite-size combustion sources 6, 1975, 931-974
- Varshney, C. L.** Fluctuating flow of viscous fluid through a porous medium bounded by a porous plate 10, 1979, 1558-1564
- Vartak, M. N.** See Acharya, B. D. & Vartak, M. N., 1378-1384 also see Hebbare, S. P. R., Patwardhan, G. A. & Vartak, M. N., 7, 692-697, 3, 1053-1057 & 438-445
- Vasishta, S. K.** Expansion formulae for the H-function of two variables 6, 1975, 463-468
- Vasishta, S. K.** See Goyal, S. P. & Vasishta, S. K., 8, 10-17
- Vasudeva, H.** Positive definite matrices and absolutely monotonic functions 10, 1979, 854-858; Rotation of eigenvectors by a perturbation 6, 1975, 1248-1255
- Vasudeva, H. L.** One-dimensional perturbations 10, 1979, 745-751
- Vasudeva, H. L.** See Pym, J. S. & Vasudeva, H. L., 7, 73-75
- Veeramani, P.** See Pai, D. V. & Veeramani, P., 11, 891-896
- Venkatachalappa, M.** See Chandrasekhara, B. C., Venkatachalappa, M. & Rudraiah, N.
- Venkatasiva Murthy, K. N.** The effect of Hall currents on the oscillatory MHD flow past a flat plate 10, 1979, 1051-1061
- Venkataswarlu, G.** Flow of immiscible liquids in a slightly dipping heterogeneous porous medium with connate water 3, 1972, 714-720
- Venu Raju, K & Hanumanthachari, J.** A note on maximal and minimal prime ideals belonging to an ideal in semi-groups 11, 1980, 1566-1571
- Verma, A.** On identities of Rogers-Ramanujan type 11, 1980, 770-790
- Verma, A. & Jain, V. K.** Some summation formulae of basic hypergeometric series 11, 1980, 1021-1038
- Verma, A. P.** Flow of two immiscible liquids in a cracked heterogeneous porous medium with capillary pressure and pressure dependent phase densities 2, 1971, 409-421
- Verma, A. P.** See Mehta, M. N. & Verma, A. P., 8, 523-526
- Verma, A. P.** See Mishra, S. K. & Verma, A. P., 6, 539-545 & 746-754
- Verma, B. G. & Singh, J. B.** Strong magnetogasdynamic spherical shocks with increasing energy 11, 1980, 1072-1084; Equatorial propagation of axisymmetric magneto-radiative shocks 11, 1980, 673-681
- Verma, B. G. & Kumar, A.** On singular surfaces of order one in dissociating gases 11, 1980, 935-941
- Verma, B. G. & Singh, K. K.** Propagation of magnetogasdynamic shock wave at the boundary of a conducting gas 9, 1978, 332-342
- Verma, B. G. & Vishwakarma, J. P.** Converging cylindrical detonation waves in magnetogasdynamics 10, 1979, 715-725

- Verma, M. On the curvature properties of a hypersurface of a generalized Finsler space 2, 1971, 95-102; Subspaces of a Finsler space admitting concurrent vector field 11, 1980, 988-993
- Verma, P. D. & Bhatt, B. S. Flow past a porous circular cylinder at small Reynolds number 8, 1977, 908-914
- Verma, P. D. & Chauhan, D. S. Flow between a torsionally oscillating impermeable disc and a stationary naturally permeable disc 10, 1979, 1351-1361; On the slow steady motion of a naturally permeable spherical shell placed at the axis of a rotating viscous incompressible fluid 9, 1978, 797-810
- Verma, P. D. & Gaur, Y. N. Slow oscillating flow past a fixed porous sphere 3, 1972, 815-820; Slow unsteady flow of a viscous incompressible fluid through a circular tube with axial roughness 1, 1970, 492-501
- Verma, P. D. & Mathur, A. K. Magnetohydrodynamic flow between two disks-one rotating and the other at rest 6, 1975, 1514-1525; Unsteady flow of a dusty viscous liquid in a circular tube 4, 1973, 133-138
- Verma, P. D. & Sacheti, N. C. Steady flow of a second-order fluid in the entrance region of a straight channel 3, 1972, 518-531
- Verma, P. D. & Vyas, H. K. Flow past a porous spherical shell with variable permeability using matched asymptotic technique 11, 1980, 1372-1380; Viscous flow down an open inclined channel with naturally permeable bed 11, 1980, 165-172
- Verma, R. C. *See* Bawa, N. P. S., Gupta, K. P. & Verma, R. C.
- Verma, R. U. Application of  $L$ -operator in the solution of certain integral equation 7, 1976, 104-109; On the  $H$ -function transform of two variables I 5, 1974, 616-623
- Verma, S. P. *See* Mishra, S. K., Verma, S. P. & Shah, D. C., 7, 425-430
- Vidyanidhi, V. & Ramana Rao, V. V. Hydromagnetic flow in a rotating straight annular pipe 2, 1971, 15-24
- Vinocha, O. P. & Goyal, A. N. On generalized directed-divergence in information theory 11, 1980, 190-197
- Vishwakarma, J. P. *See* Verma, B. G. & Vishwakarma, J. P., 10, 715-725
- Viswanathan, K. *See* Biswas, R. N., Chandra, J. & Viswanathan, K.
- Viswanathan, K. & Biswas, R. N. Analysis of stress-wave penetration in plates 1, 1970, 438-449; On stress waves in a spherical shell 1, 568-578
- Viswanathan, K. & Sharma, J. P. On the thermo-elastic problem of a plate-part I 7, 1976, 817-828
- Viswanathan, K. & Sharma, J. P. On the thermo-elastic problem of a plate-part II 7, 1976, 829-840
- Viswanathan, K. *See* Biswas, R. N., Nangia, A. K. & Viswanathan, K., 7, 359-367
- Vyas, H. K. *See* Verma, P. D. & Vyas, H. K., 11, 165-172 & 1372-1380
- Wadhawan, M. C. Dynamic thermoelastic response of a slab under prescribed heat input 4, 1973, 519-528; Time-dependent thermal solution for

- a slab 10, 1979, 1134-1139; Transient thermal stresses in a slab under continuous surface temperature 3, 1972, 24-31, Plane waves in generalized theory of thermoelasticity 3, 1972, 1010-1016
- Wafi, A. Saturation of local approximation by linear positive operators of Jackson type 11, 1980, 1194-1201
- Wafi, A. See Habib, A. & Wafi, A., 8, 691-695
- Wafi, A. See Umar, S., Wafi, A. & Khan, H. H., 8, 218-222
- Wafi, A., Habib, A. & Khan, H. H. On generalized Bernstein polynomials 9, 1978, 867-870
- Wankhede, P. C. Parabolic boundary value problem 8, 1977, 184-188
- Warsi, Z. K. On decomposition of primary ideals of G-rings 9, 1978, 912-917
- Wenger, R. B. The fine spectra of the Hvalder summability operators 6, 1975, 695-712
- Whitelaw, M. H. See Takhar, H. S. & Whitelaw, M. H., 7, 1122-1136
- Wirths, K. J. See Ruscheweyh, St. & Wirths, K. J., 7, 49-52
- Yadav, H. S. Attention of non-uniform shock wave 11, 1980, 1085-1094
- Yadav, J. P. Green's function of elastic plate in the shape of epithrochoid of order-3 and clamped along the boundary 7, 1976, 455-468
- Yadav, R. B. S. See Singh, T. & Yadav, R. B. S., 9, 900-905, 10, 14-25, 11, 908-916 & 917-930
- Yadav, S. P. Absolute Riesz summability sequences for Fourier series 10, 230-235; On  $|c, 1|$ -summability of ultraspherical series 10, 1979, 1076-1081, On  $|C, 1|$ -summability of Jacobi series 8, 1977, 538-545; On absolute Nvrlund summability of Laguerre series at origin 8, 1977, 767-772; On absolute Riesz summability of Fourier series 9, 1978, 298-304
- Yadav, V. S. See Chandra, P. & Yadav, V. S.
- Yadava, S. R. Certain theorems in two dimensional Laplace transform 6, 1167-1172
- Yang, C. C. See Gross, F. & Yang, C. C., 3, 1183-1194
- Yeh, C. C. On common fixed point theorems of continuous mappings 10, 1979, 415-420; On the existence and uniqueness of solutions of functional differential equations 11, 1980, 287-291
- Yeh, C. C. See Chen, H. Y. & Yeh, C. C., 11, 297-298 & 9, 270-274
- Yeh, C. C. See Chen, L. S., Yeh, C. C. & Lin, J. S.
- Yeh, C. C. See Murakami, H. & Yeh, C. C., 10, 426-430
- Yeh, C. C. Some fixed point theorems in  $L$ -spaces 9, 1978, 993-995, Some fixed point theorems in normed linear spaces 11, 1980, 292-296
- Youssef, M. K. See Doma, S. B. & Youssef, M. K., 10, 404-414
- Zaman, M. B. On consistency of  $T$ -matrices for  $(C, r)$ -bounded sequences 8, 1977, 880-890

**1981-1990**





## AUTHOR INDEX — 1981-1990

- Abd El-Bakkey, S. A.** *See* Mashhour, A. S., Khedr, F. H. & Abd El-Bakkey, S. A
- Abd El-Monsef, M. E.** *See* Mashhour, A. S., Hasanein, I. A. & Abd El-Monsef, M. E., 685-690
- Abd El-Monsef, M. E. & Ramadan, A. E.** On fuzzy supratopological spaces **18**, 1987 322-329
- Abdel Aziz, N. H.** Flow of three-component fluid with spherical and cylindrical symmetry **15**, 1984 681-684
- Abdel Fattah, S.** *See* Elshaboury, S. M. & Abdel Fattah, S.
- Abd-Elal, L. F.** A fast algorithm for solving a close-coupled equation **12**, 1981 362-369
- Abdel-All, N. H.** Klein manifolds representing line manifolds in an elliptic 3-space **18**, 1987 1073-1081 *also see* Soliman, M. A. & Abdel-All, N. H.
- Abdel-All, N. H.** *See* Soliman, M. A., Abdel-All, N. H. & Hassanien, S. F.
- Abdel-Gawad, A. G. A. E.** On automorphisms of free groups **20**, 1989 40-48
- Abdel-Moneim, A. M.** *See* El-Sirafy, I. H. & Abdel-Moneim, A. M.
- Abd-el-Monsef, M. E., Hanafy, I. M. & El-Deeb, S. N.** Semistrongly  $\theta$ -continuous functions **21**, 1990 721-728
- Abdelnasser, M. T.** *See* Khidr, A. M. & Abdelnasser, M. T.
- Abdussattar & Quraishi, R.** Circular orbits of charged test particles in Riessner-Nordstrom field **20**, 1989 641-645
- Abdussattar & Singh, D. K.** The role of the cosmological term in general relativity **14**, 1983 1367-1371
- Achari, J.** On the generalization of Pachpatte's non-unique fixed point theorem **13**, 1982 299-302
- Acharya, B. D.** An extension of Katai-Iwai procedure to derive balancing and minimum balancing sets of a social system **17**, 1986 875-882; Connectedness and acyclicity of the transposed square of a graph **17**, 1986 756-759; General systems and some related problems **14**, 1983 1083-1090; Graphs where  $r$ -neighbourhoods form conformal hypergraphs **16**, 1985 461-464; On characterizing graphs switching equivalent to acyclic graphs **12**, 1981 1187-1191; Some further properties of consistent marked graphs **15**, 1984 837-842
- Acharya, B. D. & Acharya, M.** New algebraic models of social systems **17**, 1986 150-168
- Acharya, B. D. & Sampathkumar, E.** Graphoidal covers and graphoidal covering number of a graph **18**, 1987 882-890
- Acharya, B. P. & Padhy, S.** Free convective viscous flow past a hot vertical porous plate with periodic temperature **14**, 1983 838-849
- Acharya, M.** *See* Acharya, B. D. & Acharya, M.

- Acharya, S. K. *See* Mishra, M. N. & Acharya, S. K.
- Acharya, S. K. & Mishra, M. N. Upper and lower functions for diffusion processes 19, 1988 1035-1042
- Adhikari, S. D., Balasubramanian, R. & Sankaranarayanan, A. On an error term related to the greatest divisor of  $n$ , which is prime to  $k$  19, 1988 830-841
- Adiga, C. *See* Bhargava, S. & Adiga, C
- Afsharnejad, Z. Perturbation geometry for Mathieu's equation 17, 1986 1284-1308
- Agal, S. N. & Koul, C. L. On fractional calculus 15, 1984 765-770
- Agarwal, A. K. A generalization of Di-Bessel function of Exton 15, 1984 139-148
- Agarwal, A. K. A note on generalized Sylvester polynomials 15, 1984 431-434; Applications of some theorems of Carlitz and Srivastava 15, 1984 1124-1127; Certain three term relations between partial theta functions and summation formulae 14, 1983 944-954; Combinatorial proofs of some enumeration identities 19, 1988 313-318; *see* Gupta, I. C. & Agarwal, A. K.
- Agarwal, A. K. & Manocha, H. L. On some new generating functions 13, 1982 1369-1375; Operational generating relations for certain functions of several variables 13, 1982 1124-1131
- Agarwal, A. K., Bhatia, R. & Manocha, H. L. Alternative methods of obtaining differential operator representations 13, 1982 237-246
- Agarwal, P. K. *See* Singh, B., Lal, J. & Agarwal, P. K.
- Agarwal, R. P. A family of basic hypergeometric and combinatorial identities and certain summation formulae 12, 1981 728-737
- Agarwal, R. P. & Srivastava, R. K. On the space  $G(\lambda)$  of entire functions 14, 1983 707-712
- Agarwal, R. S. & Dhanpal, C. Numerical solution of unsteady flow and heat transfer in a micropolar fluid past a porous flat plate 20, 1989 513-520
- Agarwal, R. S. & Meena Rani Numerical solution of unsteady heat transfer over a porous flat plate 16, 1985 649-657
- Agarwal, R. S., Bhargava, R. & Balaji, A. V. S. Numerical solutions of flow and heat transfer of a micropolar fluid at a stagnation point on a porous stationary wall 21, 1990 567-573
- Agase, S. B. & Raghavendra, V. Existence of mild solutions of semilinear differential equation in Banach spaces 21, 1990 813-822
- Aggarwal, A. On generalized Norlund methods of summability-II 13, 1982 1031-1045; Some remarks on relation between Norlund and Riesz means 13 1982 586-596; *also see* Kumar, A. & Aggarwal, A.
- Aggarwal, S. & Bhatia, D. Pseudolinearity and efficiency via Dini derivative 20, 1989 1173-1183
- Aggarwal, S. P. & Goel, V. P. Deterministic lot size model with  $n$ th power time proportional demand

- 18, 1987 1-5, Inventory model with unknown demand distribution 12, 1981 559-565
- Aggarwala, B. D.** See Nasim, C & Aggarwala, B D.
- Agrawal, A. K. & Dhingra, S. L.** An optimal programme for augmentation of capacities of depots and shipment of buses from depots to starting points of routes 20, 1989 111-120
- Agrawal, B. D. & Chaubey, J. P.** Bilateral generating relations for a function defined by generalized Rodrigues' formula 12, 1981 377-379
- Agrawal, H. C.** On a unified class of polynomials 12, 1981 472-491
- Agrawal, H. L. & Anawaruddin** Cilia transport of bio-fluid with variable viscosity 15, 1984 1128-1139
- Agrawal, H. L., Ram, P. C. & Singh, V.** Combined influence of dissipation and Hall effects on free convective flow in a rotating fluid 14, 1983 314-321
- Agrawal, M. K.** See Parnami, J. C., Agrawal, M. K. & Rajwade, A. R.
- Agrawal, P. N.** See Singh, U. P., Agrawal, P. N. & Prasad, B. N.; also see Rathore, R.K.S. and Agrawal, P. N.
- Agrawal, R. K.** See Goyal, S. P. & Agrawal, R. K.
- Agrawal, S. M.** See Gupta, K. C. & Agrawal, S. M.; also see Gupta, K. C., Agrawal, S. M. & Soni, R. C.
- Ahirrao, B. R. & More, S. V.** On distributional Laplace-Hardy  $LF_v$  transformation 20, 1989 989-1003
- Ahmad, K.** See Jain, P. K. & Ahmad, K.
- Ahmed, E.** See Hegazi, A. S. & Ahmed, E.
- Ahmed, S. A. S.** Twisted casual photon propagator and associated mixed field singular functions 15, 1984 567-570
- Ahsan, Z.** On the null Einstein-Maxwell fields in general relativity 12, 1981 265-269
- Akka, D. G.** See Kulli, V R. & Akka, D G.
- Akolkar, S. P.** See Soundalgekar, V. M. & Akolkar, S. P.
- Alawneh, A. D. & Shawagfeh, N. T.** Ellipsoidal inclusions in an elastic medium 20, 1989 840-850
- Al-Bassam, M. A.** Application of fractional calculus to differential equations of Hermite's type 16, 1985 1009-1016
- Al-Bayaty, A. R.** See Mohan, C. & Al-Bayaty, A. R.
- Ali, S.** See Deshmukh, S., Ali, S. & Husan, S. I.
- Allam, A. A.** See Mashhour, A. S., Allam, A. A., Mahmoud, F. S. & Khedr, F. H.
- Allam, A. A., Zahran, A. M. & Hasanein, I. A.** On almost continuous, S-continuous and set connected mappings 18, 1987 991-996
- Allam, M. N. M.** Torsion of a composite, viscoelastic prismatic bar of triangular cross-section 13, 1982 1364-1368
- Aly, Samia S.** See Morsy, M. W., Aly, Samia S. & Shaker, M. O.

- Aminataei, A., Sharan, M. & Singh, M. P.** A numerical model of the process of gas exchange in the pulmonary capillaries 18, 1987 1040-1060
- Ammar, A. A.** See El-Owaidy, H. & Ammar, A. A.
- Ammar, A. A.** See El-Owaidy, H., Ammar, A. A. & Elleithy, O. A.
- Anamika, B. M.** See Srimani, P. K. & Anamika, B. M.
- Anand Babu, L., Mohan, N. L., Sundararajan, N. & Sesoagiri Rao, S. V.** Mellin transform of the gravity effect of A2-D horizontal circular cylinder with variable density 20, 1989 1251-1259
- Anand Kumar** See Misra, S. B. & Anand Kumar
- Anand, S.** See Arora, S. C., Anand, S. & Marwah, S.
- Anawaruddin** See Agrawal, H. L. & Anawaruddin
- Annigeri, N. S.** See Kulli, V. R. & Annigeri, N. S.
- Anwar, M. N. Y.** See Bassali, W. A., Anwar, M. N. Y. & Mosleh, K. M.
- Aouf, M. K.** Bounded  $p$ -valent Robertson functions of order  $\alpha$  16, 1985 775-790; Certain classes of  $p$ -valent functions with negative coefficients II 19, 1988 761-767
- Appala Raju, K.** See Ramacharyulu, N. C. P. & Appala Raju, K.
- Arora, A. K. & Koul, C. L.** Applications of fractional calculus 18, 1987 931-937
- Arora, K. N.** See Garg, O. P. & Arora, K. N.
- Arora, P. N.** An axiomatic characterisation of inaccuracy functions 13, 1982 158-162
- Arora, S. C., Anand, S. & Marwah, S.** Operators satisfying growth condition 21, 1990 1095-1100
- Arumugam S.** See Pakkiam, C. & Arumugam S.
- Arumugam, S.** On topological projective planes II 17, 1986 1314-1316; On topological projective planes-III 20, 1989 1115-1118; also see Pakkiam, C. & Arumugam, S.
- Arunachalam, M.** See Indira, C. & Arunachalam, M.
- Arunachalam, P. V.** See Ramakrishna, S., Sreenadh, S. & Arunachalam, P. V.
- Arundhathi, S.** A note on the peak points for real function algebras 21, 1990 155-162
- Arya, D.** Temperature distribution in human skin and subcutaneous tissues under radiation and evaporation conditions 14, 1983 1398-1405; Two dimensional steady state temperature distribution in skin and subcutaneous tissues 12, 1981 1361-1371
- Arya, D. & Saxena, V. P.** Temperature variation in skin and subcutaneous layers under different environmental conditions — a two dimensional study 17, 1986 84-99
- Arya, J. P.** See Joshi, C. M. & Arya, J. P.
- Arya, S. P. & Nour, T. M.** Characterizations of  $s$ -normal spaces 21, 1990 717-720

- Arya, S. P. & Bhamini, M. P.  $P$ -closed spaces 15, 1984 89-98, Some generalizations of pairwise Urysohn spaces 18, 1987 1088-1093
- Arya, S. P. & Nour, T. M. Pairwise locally semi-connectedness spaces 18, 1987 402-409; Quasi semi-components in bitopological spaces 21, 1990 649-652,  $s$ -Connectedness between sets and pairwise set  $s$ -connectedness mappings in bitopological spaces 18, 1987 597-604, Separation axioms for bitopological spaces 19, 1988 42-50; Weakly semi-RQ spaces 21, 1990 1083-1086
- Asaad, M. Normal hall subgroups of finite groups 14, 1983 1531-1533
- Asghar, S. Diffraction of Love waves by two parallel perfectly weak half planes 19, 1988 586-596; *also see* Zaman, F. D. & Asghar, S. & Ghous, G.
- Ashraf, M. *See* Quadri, M. A. & Ashraf, M.
- Askey, R. An elementary evaluation of a beta type integral 14, 1983 892-895
- Astaneh, A. A. A characterization of local uniform convexity of the Norm 14, 1983 1217-1219; A note on sets with the unique farthest point property 16, 1985 905-908; On singletonness of uniquely remotal sets 17, 1986 1137-1139; On uniquely remotal subsets of Hilbert spaces 14, 1983 1311-1318
- Audich, S. *See* Goyal, S. P. & Audich, S.
- Avadhani, B. V. S. *See* Vasudeva, R. Y., Bhaskara, R. K., Govinda Rao, P. & Avadhani, B. V. S.
- Awasthi, K. N. & Dixit, K. K. On the  $\lambda^*$ -logarithmic type of analytic functions represented by Dirichlet series 14, 1983 515-521
- Aylawadi, D. R. *See* Sinha, S. M. & Aylawadi, D. R.
- Ayyaswami, S. K. & Ramakrishnan, P. V. A characterization of semigroups admitting a unique multiplicative invariant mean 18, 1987 248-250
- Azam, A. *See* Beg, I. & Azam, A.
- Babu Ram & Suresh Kumari. On  $L_1$ -convergence of certain trigonometric sums 20, 1989 908-914
- Babu Ram. *See* Suresh Kumari & Babu Ram
- Babu, A. C. *See* Maiti, M. & Babu, A. C.
- Babu, A. C. & Maiti, M. Extension of Leader's fixed point principle to uniform spaces 12, 1981 448-451
- Babu, M. S. *See* Varma, S. V. & Babu, M. S.
- Bachman, G. & Stratigos, P. D. On the relation of lattice repleteness and  $C$ -real compactness 20, 1989 1043-1066
- Bagewadi, C. S. On totally real submanifolds of a Kählerian manifold admitting semi - symmetric metric  $F$ -connection 13, 1982 528-536; *also see* Ravi, B. & Bagewadi, C. S.
- Bagewadi, C. S. & Prasannakumar, K. N. The study of streamlines of M. G. D. flow of a surface  $S$  in the image surface  $S$  19, 1988 597-616
- Bagga, P. C. *See* Khurana, K. & Bagga, P. C.

- Bagga, P. C. & Kalra, K. R.** Node elimination in three-machine flowshop scheduling problem **13**, 1982 871-878
- Bagh, S.** On the real roots of a random algebraic polynomial **20**, 1989 655-664
- Baidya, S. & Bose, M. K.** On the proximal Denjoy-Stieltjes integral **16**, 1985 975-993
- Baisnab, A. P.** *See* Chukkala, R. & Baisnab, A. P.; *also see* Monoranjanjas & Baisnab, A. P.; *and see* Panja, C. & Baisnab, A. P.
- Bajaj, N.** Some maps on unique common fixed points **15**, 1984 843-848
- Bakier, A. Y.** *See* Mansour, M. A., Hassanien, I. A. & Bakier, A. Y.
- Bala, R. N.** *See* Singh, S. N. & Bala, R. N.
- Balachandran, K.** *See* Somasundaram, D. & Balachandran, K.; *also see* Thandapani, E. & Balachandran, K.
- Balachandran, K., Thandapani, E. & Balasubramanian, G.** Some series solutions of the Duffing equation **19**, 1988 429-432
- Balaji, A. V. S.** *See* Agarwal, R. S., Bhargava, R. & Balaji, A. V. S.
- Balakrishnan, R. & Paulraja, P.** Graphs whose squares are chordal **12**, 1981 193-194
- Balakrishnan, R. & Sudharsanam, N.** Cycle-vanishing edge valuations of a graph **13**, 1982 313-316
- Balasubramaniam, R.** A new Lagrangian finite element method for unsteady viscous free surface fluid flow **18**, 1987 1139-1166
- Balasubramanian, G.** *See* Balachandran, K., Thandapani, E. & Balasubramanian, G.
- Balasubramanian, R.** *See* Adhikari, S. D., Balasubramanian, R. & Sankaranarayanan, A.
- Balasubramanian, R.** *See* Somaraju, V. & Balasubramanian, R.
- Balasubramanian, R. & Ramachandra, K.** On an analytic continuation of  $\xi(s)$  **18**, 1987 790-793
- Banerjee, B.** *See* Banerjee, M. & Banerjee, B.
- Banerjee, C.** *See* Jas, M. & Banerjee, C.
- Banerjee, G. K.** *See* Mukherjee, M. N. & Banerjee, G. K.
- Banerjee, G. K.** *See* Mukherjee, M. N., Banerjee, G. K. & Malakar, S.
- Banerjee, M. & Banerjee, B.** A characterization of nonoscillatory motions in magnetohydro-dynamics **15**, 1984 377-382
- Banerjee, M. B. & Gupta, J. R.** A modified instability criterion for heterogeneous shear flows **18**, 1987 371-375
- Banerjee, M. B. & Katyal, S. P.** A sufficient condition for the validity of Chandrasekhar's conjecture in magnetoconvection **17**, 1986 1319-1323
- Banerjee, M. B., Gupta, J. R. & Katyal, S. P.** An energy relationship in magnetothermohaline convection problem of the Stern type **18**, 1987 856-860
- Bansal, J. L.** *See* Mishra, J. J., Bansal, J. L. & Jat, R. N.

- Bansal, J. L., Mishra, J. J. & Kushwaha, R. S.** Magneto-fluiddynamic circular jet in a variable radial magnetic field 16, 1985 84-89
- Barua, B. & Ray, A. K.** Some properties of a semi-symmetric metric connection in a Riemannian manifold 16, 1985 736-740
- Bassali, W. A.** Analysis of sectorial plates normally loaded, over circular domains-I 14, 1983 1026-1040; Symmetrically loaded thin annular plate supported at the four corners of concentric rectangle 21, 1990 185-193; Thin circular plate under hydrostatic pressure over a concentric ellipse and supported at four points 17, 1986 943-956
- Bassali, W. A., Anwar, M. N. Y. & Mosleh, K. M.** Deflection of an eccentrically loaded and concentrically supported thin circular annulus 16, 1985 189-212
- Bassan, D. S.** See Munshi, B. M. & Bassan, D. S.
- Basu, U.** See Tripathi, U. & Basu, U.
- Basu, U. & Tripathi, U.** The reflection of waves by undulations on the seabed in a running stream 18, 1987 861-870
- Bathaiah, D.** See Venkataramana, S. & Bathaiah, D.
- Beg, I. & Azam, A.** Fixed point theorems for Kannan mappings 17, 1986 1270-1275; Fixed points on star-shaped subsets of convex metric spaces 18, 1987 594-596
- Begum, H.** See Verma, R. K. & Begum, H.
- Beltagy, M. A.** A proof of L. Amaral's theorem 14, 1983 703-706; Isometric embedding of a compact Riemannian manifold into sphere 14, 1983 1406-1411; Two-piece property in manifolds without focal points 17, 1986 883-889
- Belu & Sharma, G. C.** Some results of a bulk-service queue with binomial input 14, 1983 1100-1104
- Beohar, B. K. & Jadiya, B. L.** Degree of approximation by Norlund means of the Fourier-Laguerre expansion 12, 1981 1114-1119
- Beohar, B. K. & Trivedi, G. S.** On strong approximation to a function by its Jacobi series 21, 1990 167-171
- Bernstein, S. N. & Chauhan, B. P. S.** A proof of Telyakovski-Gopengauz's theorem through an interpolation process 13, 1982 1433-1438
- Betancor, J. J.** The Hankel-Clifford transformation on certain spaces of ultradistributions 20, 1989 583-603
- Bhagat, B. & Swesi, G.** An expansion theorem for a second-order singular matrix differential equation 13, 1982 1049-1058; Deficiency indices of second-order matrix differential operators 13, 1982 433-439
- Bhagwat, N. & Singh, N.** Fixed points of a pair of mappings 17, 1986 994-997
- Bhakta, P. C.** See Das, N. C., Bhakta, P. C. & Datta, S.
- Bhamini, M. P.** See Arya, S. P. & Bhamini, M. P.
- Bhandari, M. C.** See Saxena, P. K. & Bhandari, M. C.
- Bhandari, M. C. & Radhakrishna, A.** A note on radicals in lattice ordered antiflexible rings 12, 1981 934-937

- Bhandari, M. C. & Saxena, P. K.** Pseudo regularity for near-rings 13, 1982 1409-1412
- Bharathi, K. & Nagaraj, M.** Geometry of quaternionic and pseudo-quaternionic multiplications 16, 1985 741-756, Quaternion valued function of a real variable Serret-Frenet formulae 18, 1987 507-511, Regularity for quaternion functions of several complex variables 18, 1987 697-704
- Bharati, R.** On generalized alpha-close-to-convex functions 13, 1982 67-75; Some radius of convexity problems-II 12, 1981 1133-1145
- Bhardwaj, P. C.** See Gupta, S. K., Bhardwaj, P. C. & Rana, V. D.
- Bhardwaj, U. D.** See Gupta, J. R., Bhardwaj, U. D. & Sood, S. K.; also see Gupta, J. R., Sood, S. K. & Bhardwaj, U. D.
- Bhargava, R.** See Agarwal, R. S., Bhargava, R. & Balaji, A. V. S.
- Bhargava, R. & Rani, M.** MHD flow and heat transfer in a channel with porous walls of different permeability 15, 1984 397-408
- Bhargava, R. D. & Saxena, H. S.** Misfitting elliptic elastic inhomogeneity problem in perfectly anisotropic media 16, 1985 546-551
- Bhargava, S. & Adiga, C.** A basic hypergeometric transformation of Ramanujan and a generalization 17, 1986 338-342
- Bhargava, S. & Nanjunda Rao, S.** Complex linear combinations of  $n$  functions in  $S^*(A, B)$  18, 1987 835-839; On linear combinations of  $n$  analytic functions in generalized Pinchuk and generalized Moulis classes 19, 1988 875-879
- Bhargava, S. K.** Applications of some theorems of Srivastava and Lavoie 13, 1982 769-771, also see Chandel, R. C. S. & Bhargava, S. K.
- Bhaskara, K. H. & Rama, K.** A note on Dirac brackets 21, 1990 1025-1028
- Bhaskara, R. K.** See Vasudeva, R. Y., Bhaskara, R. K., Govinda Rao, P. & Avadhani, B. V. S.
- Bhat, J. P.** Heat transfer in a rotating MHD channel with infinitely conducting plates 14, 1983 60-63; also see Soundalgekar, V. M. & Bhat, J. P.
- Bhatia, B. L.** See Rajasekaran, S. & Bhatia, B. L.
- Bhatia, D.** See Aggarwal, S. & Bhatia, D.
- Bhatia, D.** See Datta, N. & Bhatia, D.
- Bhatia, D.** See Kaur, S. & Bhatia, D.
- Bhatia, R.** See Agarwal, A. K., Bhatia, R. & Manocha, H. L.
- Bhatia, S.** See Choudhary, B., Somasundaram, D. & Bhatia, S.
- Bhatnagar, K. B. & Mehra, M.** The motion of a geosynchronous satellite 17, 1986 1438-1452, The motion of a Geosynchronous satellite(II) 18, 1987 461-478
- Bhatnagar, V.** See Gaur, Y. N. & Bhatnagar, V.
- Bhatt, S. J.** Normal homomorphisms for a class of unbounded operator algebras 21, 1990 150-154; On



- spectra and numerical ranges in locally  $m$ -convex algebras 14, 1983 596-603; See Patel, A. B. & Bhatt, S. J., See Thatte, A. D. & Bhatt, S. J.
- Bhatt, S. S.** See Das, M. & Bhatt, S. S
- Bhatta, N. & Roy Choudhuri, S. K.** A coupled thermo-elastic problem of an infinitely extended thin plate containing a circular hole with thermal relaxation 14, 1983 85-95
- Bhattacharjee, N. R. & Bhattacharjee, T.** Extension of Zeta function  $\zeta(2m)$  21, 1990 977-980
- Bhattacharjee, T.** See Bhattacharjee, N. R. & Bhattacharjee, T.
- Bhattacharya, B. B.** A note on finitely divisible modules 13, 1982 886-889
- Bhattacharya, B. B. & Choudhury, D. P.** Purities relative to a torsion theory 14, 1983 554-564
- Bhattacharya, B. B. & Mohanty, S. P.** Some results on pseudo-hereditary torsion theories 14, 1983 567-571
- Bhattacharya, R. K.** Wave propagation in random media 13, 1982 382-392
- Bhattacharya, S. K.** See Das, N. C., Das, S. N. & Bhattacharya, S. K.
- Bhattacharyya, R.** See Stanley, T. E. & Bhattacharyya, R.
- Bhattacharyya, R. K.** On wave propagation in random magneto-thermo-viscoelastic medium 17, 1986 705-725
- Bhaumik, K.** See Mishra, R. K., Srivastava, A., Bhaumik, K. & Chaudhary, S. S.
- Bhavanari, S.** See Yenumula, V. R. & Bhavanari, S.; also see The injective hull of a module with FGD 20 1989 874-883
- Bhavi, S. G.** See Bujurke, N. M., Bhavi, S. G. & Hiremath, P. S.
- Bhoosnurmath, S. S.** See Gopalakrishna, H. S. & Bhoosnurmath, S. S
- Bhoosnurmath, S. S. & Swamy, S. R.** Analytic functions with negative coefficients 12, 1981 738-742
- Bhowal, S.** See Chaudhuri, P. K. & Bhowal, S
- Bhutani, O. P. & Mital, P.** On the similarity solutions of the non-linear steady state heat conduction equation 13, 1982 1497-1502
- Bidkham, M. & Dewan, K. K.** Bounds for the zeros of polynomial 20, 1984 768-772
- Bindra, J. S.** See Saxena, V. P. & Bindra, J. S
- Bisht, N. S. & Prakash, S.** A bicriterion machine-assignment problem 18, 1987 779-789
- Biswal, S.** See Dash, G. C. & Biswal, S.
- Biswas, P.** Nonlinear analysis of heated orthotropic plates 12, 1981 1380-1389; Nonlinear free vibrations of heated elastic plates 14, 1983 1199-1203; Nonlinear vibrations of a non-isotropic trapezoidal plate 14, 1983 265-269; Nonlinear vibrations of Isosceles right triangular plates 14, 1983 1204-1208; Thermal deflections of thick elastic triangular plate resting on elastic foundation 12, 1981 400-404

- Biswas, P. & Kapoor, P.** Nonlinear free vibrations and thermal buckling of circular plates at elevated temperature 15, 1984 809-812
- Bodroza, R. T. O, Kwong, Y. H. H. & Straight, J.** On the number of Hamiltonian cycles of  $P_4 \times P_n$  21, 1990 403-409
- Bollinger, R. C.** Recurrence relations for biorthogonal polynomials 14, 1983 1296-1301
- Bommireddy, M. & Reddy, L. N.** Linearity in a planar ternary ring with zero of a projective plane 16, 1985 473-475
- Bor, H.** A note on  $(N, p_n, k)$  summability factors of infinite series 18, 1987 330-336; Absolute summability factors for finite series 19, 1988 664-671
- Bose, M. K.** See Baidya, S. & Bose, M. K.
- Bose, R. K.** See Sahani, D. & Bose, R. K.
- Bose, R. K. & Sahani.** Weak convergence and common fixed points of non-expansive mappings by iteration 15, 1984 123-126
- Bose, S.** See Chattopadhyay, A., Keshri, A., & Bose, S.
- Bose, S.** Splitting of ring extensions 16, 1985 355-356
- Buche, A. B.** See Chander, R. & Buche, A. B.
- Bujurke, N. M.** Effect of frequency on residual stresses of oscillating plate problem in MHD 13, 1982 1492-1496
- Bujurke, N. M., Bhavi, S. G. & Hiremath, P. S.** A note on the squeeze film lubrication with non-Newtonian fluid 20, 1989 632-640
- Bujurke, N. M.** See Singh, M. P., Gupta, J. L. & Bujurke, N. M.
- Buschman, R. G.** Contiguous relations for Meijer's  $G$ -function 18, 1987 536-547; Hidden reducibilities of  $H$ -functions of two variables 12, 1981 1448-1451; Reduction formulas for Appell functions for special values of the variables 12, 1981 1452-1455
- Buschman, R. G. & Noble, R. D.** Laplace transformation methods for some heat transfer problems 14, 1983 575-580
- Cammaroto, F. & Noiri, T.** A note on weakly-compact spaces 16, 1985 1472-1477; Almost irresolute functions 20, 1989 472-482
- Carbone, A. & Singh, S. P.** Fixed point theorems for Altman type mappings 18, 1987 1082-1087
- Carbone, A., Rhoades, B. E. & Singh, S. P.** A fixed point theorem for generalized contraction map 20, 1989 543-548
- Chadda, G. C.** See Singh, S. P., Chadda, G. C. & Sinha, A. K.
- Chadda, G. C.** See Sinha, A. K. & Chadda, G. C.
- Chadda, G. C.** See Tyagi, G. C. D. & Chadda, G. C.
- Chadha, T. K.** See Kumar, R. & Chadha, T. K.
- Chakrabarti, A.** Discrete cubic spline introduction 18, 1987 6-11; On some dual integral equations involving

- Bessel function of order one 20, 1989 483-492; *also see* Dowerah, S. & Chakrabarti, A
- Chakrabarti, A. & Shail, R.** The slow rotation of an axisymmetric solid in the presence of a plane surfactant-contaminated interface between two fluids 15, 1984 1244-1260
- Chakrabarti, A. K.** *See* Mahalanabis, R. K. & Chakrabarti, A. K.
- Chakrabarti, S. & Lahiri, B. K.** Density topology in a topological group 15, 1984 753-764
- Chakraborty, A. K. & Mazumdar, H. P.** On the spectra of thermally stratified turbulent flow with no shear 19, 1988 305-312
- Chakraborty, G.** On the existence for a class of optimal control problems 20, 1989 761-767
- Chakraborty, M.** Disturbance of SH type due to body forces and due to shearing stress-discontinuity in a pre-stressed semi-infinite viscoelastic medium 16, 1985 309-322; *also see* Dey, S. & Chakraborty, M.
- Chakraborty, M., Chattopadhyay, A. & Dey, S.** The effects of initial stress and irregularity on the propagation of SH-waves 14, 1983 850-863
- Chakraborty, R.** Curvilinear movement of a Michell type ship 12, 1981 779-785
- Chakraborty, S. K.** *See* Dutta, K. L. & Chakraborty, S. K.; *See* Dasgupta, A. & Chakraborty, S. K.; *also see* Dawn, N. C. & Chakraborty, S. K.
- Chakravarty, A. K.** Partitioning acyclic stochastic precedence graph 12, 1981 41-54
- Chakravorty, J. G. & Chaudhuri, P. K.** On the propagation of waves due to a sudden impulse on the boundary of the spherical cavity 14, 1983 965-973; The elasto-plastic problem of thin rotating disc with variable thickness 14, 1983 70-78
- Chakravorty, J. G. & Dey, S. K.** Stresses in a non-homogeneous rotating sphere 14, 1983 1302-1310
- Chakravorty, N.** Disturbance in a non-homogeneous elastic medium by a twisting impulsive force 19, 1988 915-926
- Chakrobarty, D. K.** *See* Mandal, A. K. & Chakrobarty, D. K.
- Chamle, V. T.** *See* Madhekar, H. C. & Chamle, V. T.
- Chand, D. & Sharma, J. N.** Transient magnetoelastothermoelastic waves in a half-space with thermal relaxations 19, 1988 1227-1238
- Chandana, O. P.** Comments on steady plane MHD flows with constant speed along each streamline 20, 1989 423-424
- Chandel, R. C. S. & Gupta, A. K.** Two transformation formulas for the generalized multiple hypergeometric function of Srivastava and Daoust 15, 1984 633-640; Recurrence relations of the multiple hypergeometric function of Srivastava and Daoust and multivariable  $H$ -function of Srivastava and Panda 18, 1987 347-359

- Chandel, R. C. S. & Bhargava, S. K. A generalization of certain classes of polynomials 12, 1981 103-110
- Chandel, R. C. S. & Sahgal, S. A multivariable analogue of Panda's polynomials 21, 1990 1101-1106; Further applications and extensions of the addition theorems of Srivastava, Lavoie and Tremblay 18, 1987 830-834
- Chandel, R. C. S. & Yadava, H. C. A binomial analogue of Srivastava's theorem 15, 1984 383-386; Applications of Srivastava's theorem 15, 1984 1313-1318; Heat conduction and the multiple hypergeometric function of Srivastava and Daoust 15, 1984 371-376
- Chandel, R. S. & Jain, U. C. Certain integral formulas for the multivariable  $H$ -function-I 13, 1982 1420-1426
- Chander, R. & Singh, H. On the measurability and continuity properties of the cosine operator 12, 1981 81-83
- Chander, R. & Buche, A. B. On some analytic properties of the modified sine operator 12, 1981 585-593; On the differential and integral equations associated with the modified sine operator 12, 1981 594-607; The generation theorem for the modified sine operator 12, 1981 691-714
- Chandra, P. A note on summability Fourier expansion 14, 1983 44-48; Absolute summability factors 19, 1988 477-487; Comments on 'behaviour of viscoelastic lubricants in reference to human joints' 12, 1981 537-543; Necessary and sufficient conditions for the absolute Euler summability 13, 1982 564-572; On the convergence criteria of a Fourier series 21, 1990 753-762; On the generating functions and partial sums of the Fourier series 20, 1989 1139-1145
- Chandra, P. & Dikshit, G. D. On the  $B$  and  $E, q$  summability of a Fourier series, its conjugate series and their derived series 12, 1981 1350-1360
- Chandra, P. & Gupta, R. R. Absolute Norlund summability factors of Fourier series 16, 1985 504-526
- Chandrakumar, R. D. See Singh, R. K. & Chandrakumar, R. D.
- Chandran, V. R. & Lakshmanan, V. On supermodular lattices 14, 1983 1128-1130
- Chandrasekharaiah, D. S. Wave propagation in a thermoelastic half-space 12, 1981 226-241; Stokes type theorem for tensors 21, 1990 379-383
- Chandwani, G. N. Certain results on a general sequence of functions 13, 1982 1167-1171
- Channabasappa, M. N., Ranganna, G. & Rajappa, B. Stability of Couette flow between rotating cylinders lined with porous material I 14, 1983 741-756
- Chatterjee, A. See Das, J. & Chatterjee, A.; also see Das, J., Chatterjee, A. & Laha, G.
- Chatterjee, B. See Roy, A. R. & Chatterjee, B.
- Chatterjee, M. & Roy, A. On an elliptic punch indenting an elastic layer 21, 1990 935-950

- Chattopadhyay, A. *See* Chakraborty, M., Chattopadhyay, A. & Dey, S.
- Chattopadhyay, A. & Keshri, A. Generation of G-type seismic waves under initial stress 17, 1986 1042-1055
- Chattopadhyay, A. & Maugin, G. A. Propagation of a crack due to magnetoelastic shear waves in a perfect elastic conductor 17, 1986 843-855
- Chattopadhyay, A., Keshri, A., & Bose, S. A coupled thermoelastic problem for an infinite anisotropic medium having a cylindrical hole 16, 1985 807-823
- Chattopadhyay, A., Pal, A. K. & Kushwaha, V. Generation of Love waves under initial stress due to momentary point source 13, 1982 818-828; Stresses produced in an initially stressed elastic half-space due to a moving load 13, 1982 581-585
- Chaubey, J. P. *See* Agrawal, B. D. & Chaubey, J. P.
- Chaubey, K. N. *See* Tiwari, A. K. & Chaubey, K. N.
- Chaudhari, N. S., Sarada, N. L. & Phatak, D. B. An invariant for a subspace of the finite dimensional vector space and automorphism partition of a real symmetric matrix 19, 1988 217-249; A note on the property of an adjoint of the adjacency matrix of strongly regular graphs 17, 1986 871-874
- Chaudhary, M. S. *See* Reddy, B. P. & Chaudhary, M. S.
- Chaudhary, R. C. *See* Sharma, P. R. & Chaudhary, R. C.
- Chaudhary, S. S. *See* Mishra, R. K., Srivastava, A., Bhaumik, K. & Chaudhary, S. S.
- Chaudhary, S. S. & Singh, S. P. A note on the dual of a PBIB design 17, 1986 138-141
- Chaudhry, H. R. *See* Dhawan, S. C., Chaudhry, H. R. & Gupta, H. P.
- Chaudhuri, A. K. & Mukherjee, R. N. An alternative approach for solving a certain class of time optimal control problems 12, 1981 151-162; On the global controllability of a certain class of minimum time control problems 13, 1982 163-171
- Chaudhuri, A. K., Lahiri, J. & Mukherjee, R. N. Application of functional analysis to solve certain class of constrained time optimal control problems 17, 1986 450-461
- Chaudhuri, P. K. *See* Chakravorty, J. G. & Chaudhuri, P. K.
- Chaudhuri, P. K. & Bhowal, S. Propagation of elastic disturbance in a nonhomogeneous medium under a time-dependent shearing force at the boundary of a hemispherical cavity 18, 1987 947-952
- Chaudhuri, P. K. & Datta, S. Note on the propagation of elastic disturbance in a semi-infinite rod of nonhomogeneous material 18, 1987 376-380; Note on the small vibration of beams with varying Young's modulus carrying a concentrated mass distribution 20, 1989 75-88; Propagation of shock waves in a nonhomogeneous

- elastic medium with a spherical hole  
19, 1988 502-512, Torsion of  
non-homogeneous solid of  
revolution 15, 1984 813-818
- Chaudhury, N. K. *See* Sinha Roy, J. &  
Chaudhury, N. K.
- Chauhan, B. P. S. On the theory of  
approximation of continuous  
functions of interpolatory  
polynomials 14, 1983 1041-1048
- Chauhan, B. P. S. *See* Bernstein, S. N. &  
Chauhan, B. P. S.
- Chauhan, D. S. *See* Verma, P. D. &  
Chauhan, D. S.
- Chaurasia, V. B. L. & Gupta, V. G. The  
 $H$ -function of several complex  
variables and angular displacement  
in a shaft-II 14, 1983 588-595
- Chelvam, T. T. & Ganesan, N. On  
bi-ideals of near-rings 18, 1987  
1002-1005
- Chenchu Raju, V. C. *See* Vidyanidhi, V.,  
Chenchu Raju, V. C & Sithapathi, A.  
K.
- Cherian, J., Jain, M. & Sharma, G. C.  
Reliability of a standby system with  
repair 18, 1987 1061-1068
- Chetiya, B. P. On genres of compact  
Riemann surfaces admitting solvable  
automorphism groups 12, 1981  
1312-1318
- Chetiya, B. P. & Kalita, S. C. On solvable  
automorphism groups of compact  
Riemann surfaces 15, 1984 978-983;  
Some automorphism groups of  
compact Riemann surfaces of small  
genus 14, 1983 830-837
- Chettiar, S. R. *See* Namboodripad, K. S. S.  
& Chettiar, S. R.
- Chidambaraswamy, J. On the average of  
the generalized Totient function over  
polynomials sequences 19, 1988  
1149-1155
- Chidume, C. E. Fixed points iterations for  
nonlinear Hammerstein equation  
involving non-expansive and  
accretive mappings 20, 1989 129-135
- Chikkala, R. & Baisnab, A. P. A  
simultaneous fixed point theorems  
with application in control theory  
21, 1990 144-149
- Chitra, A. & Subrahmanyam, P. V. A note  
on coincidence theorems and KKM  
maps 17, 1986 1248-1252
- Choubey, K. R. The impulsive motion of  
a flat in a viscoelastic fluid in the  
presence of a transverse magnetic  
field 16, 1985 931-937
- Choudhaary, B. & Mursaleen. On  
absolutely regular summability  
methods 18, 1987 823-829
- Choudhary, B. A note on 1-to-1 Norlund  
method 15, 1984 641-650; Errata  
15, 1984 1064
- Choudhary, B., Somasundaram, D. &  
Bhatia, S. A note on  $FK$ -spaces  
containing  $\Gamma$  13, 1982 341-347
- Choudhry, R. K. *See* Kumar, V. &  
Choudhry, R. K.
- Choudhuri, P. K. *See* Chakravorty, J. G. &  
Choudhuri, P. K.
- Choudhury, D. P. Relative flatness *via*  
Sternstrom's copurity 15, 1984  
131-134
- Choudhury, D. P. *See* Bhattacharya, B. B.  
& Choudhury, D. P.

- Choudhury, G.** See Mandal, K. K., Choudhury, G. & Mandal, G.
- Choudhury, T.** See Krori, K. D. & Choudhury, T.
- Chourasia, N. N.** Decomposable and spectral operators 12, 1981 73-80
- Chowdhury, K. C.** Artinian (Noetherian) part of a Goldie ring 20, 1989 49-57; Goldie modules 19, 1988 641-652; Goldie theorem analogue for Goldie near-rings 20, 1989 141-149; Radical results on stability of differential systems with impulsive perturbations 20, 1989 439-445
- Cocharian, H. S. & Martirosian, V. M.** On certain extremal problems 17, 1986 905-918
- Conder, M.** A note on maximal automorphism groups of compact Riemann surfaces 17, 1986 58-60
- Cook, R. J.** Pairs of additive congruences : Quintic congruences 17, 1986 786-799; Weyl's inequality and simultaneous additive equations 14, 1983 908-918
- Coppa, G., Ravetto, P. & Sumini, M.** A reformation of the transport equation and an approximate 18, 1987 691-696
- Cox, P. R.** See Stanley, T. E. & Cox, P. R.
- Dandawate, P. N.** See Patwardhan, G. A., Dandawate, P. N. & Vartak, M. N.
- Dandawate, P. N., Patwardhan, G. A. & Vartak, M. N.** Construction of non-isomorphic BIBD's by using 2-adjugation technique 16, 1985 1232-1243
- Danikas, N.** On the integrals of BMOA functions 19, 1988 672-676
- Das, A.** A new improper Riemann integral and the Dirac delta-function 18, 1987 997-1001
- Das, A. G. & Lahiri, B. K.** Bessel type functions involving Dirichlet series 19, 1988 448-463
- Das, A. K.** See Misra, P. C. & Das, A. K.
- Das, C. & Patel, D. K.** The signature method for some classes of transportation problem 21, 1990 501-512
- Das, G.** Modified means 20, 1989 347-385
- Das, G. & Debata, J. P.** Fixed points of quasinonexpansive mappings 17, 1986 1263-1269; On common fixed points of hemicontractive mappings 15, 1984 713-718
- Das, G. & Misra, S. L.** Invariant linear functionals and infinite matrices 16, 1985 1307-1316
- Das, G. & Mohanty, S. K.** Uniform law of large numbers 17, 1986 26-37
- Das, G. & Nanda, S.** Functional limits 20, 1989 812-819
- Das, G. & Panda, K. C.** On a generalised absolute Harmonic summability of Fourier series 18, 1987 705-722; Summability of Fourier and allied series  $(d, r, \delta)$  method 21, 1990 434-456
- Das, G. & Patel, B. K.** Lacunary distribution of sequences 20, 1989 64-74
- Das, G. & Pujari, S. N.** Inverse and reversibility of quasimatrix transformation 17, 1986 1123-1130
- Das, G., Panda, K. C. & Sahoo, S.** On two new methods of summability 15, 1984 1340-1351

- Das, J. & Chatterjee, A. On the equiconvergence of the eigenfunction expansion associated with certain 2nd order differential equations 19, 1988 1054-1059
- Das, J., Chatterjee, A. & Laha, G. Limit classification of a real quadratic form of an ordinary second-order self adjoint differential expression 17, 1986 1008-1013
- Das, K. M. A note on a functional equation 15, 1984 113-114
- Das, M. See Lal, S. N. & Das, M.
- Das, M. & Bhatt, S. S. Real roots of random harmonic equations 13, 1982 411-420
- Das, N. C., Bhakta, P. C. & Datta, S. Eigenfunction expansion method to Thermoelastic and magneto-thermoelastic problems 19, 1988 697-712
- Das, N. C., Das, S. N. & Bhattacharya, S. K. State space approach to thermoelastic and magnetothermoelastic problem 15, 1984 1020-1035
- Das, P. Some results on fixed points in complete metric spaces 13, 1982 303-308
- Das, P. C. & Venkatesulu. Some existence theorems for operator equations and periodic solutions of functional differential equations 17, 1986 212-222; An existence analysis for a functional differential equation with periodic boundary conditions via the alternative method 13, 1982 1296-1306
- Das, R. K. See Prasad, K. C., Singh, M. K. & Das, R. K.
- Das, S. N. See Das, N. C., Das, S. N. & Bhattacharya, S. K.
- Das, T. K. & Sengupta, P. R. Surface waves in general visco-elastic media of higher order 21, 1990 661-675
- Dasgupta, A. Effect of high initial stress on the propagation of Stoneley waves at the interface of two isotropic elastic incompressible media 12, 1981 919-926
- Dasgupta, A. & Chakraborty, S. K. On the effect of gravity-induced initial stresses on the disturbances in an elastic half space due to a moving load 13, 1982 1332-1339
- Dash, G. C. & Biswal, S. Commencement of Couette flow in Oldroyd liquid with heat sources 20, 1989 267-275
- Dash, T. See Tripathy, N. & Dash, T.
- Dash, T. See Tripathy, N. & Dash, T.
- Dashrath & Shukla, S. L. Coefficient estimates for a subclass of spirallike functions 14, 1983 431-439
- Dass, B. & Tyagi, V. A new type of (1, 2)-optimal codes over  $GF(2)^*$  13, 1982 750-756
- Datta, B. Characterisation of Fueter mappings and their Jacobians 18, 1987 201-214
- Datta, N. & Bhatia, D. A note on Duality theory for concave convex fractional programming problem in complex space 15, 1984 1289-1295
- Datta, S. See Chaudhuri, P. K. & Datta, S.
- Datta, S. See Das, N. C., Bhakta, P. C. & Datta, S.



- Datta, S. & Rathore, S. K. S.** Slow uniform flow of a micropolar fluid past a prolate spheroid 14, 1983 1474-1483
- Datta, T. K. & Pal, A. K.** Order level inventory system with power demand pattern for items with variable rate of deterioration 19, 1988 1043-1053
- Davidson, D. & Rajappa, N. R.** Nonlinear theory of Taylor instability of superposed fluids with the lower fluid having finite depth 15, 1984 517-542
- Davis, B.** *See* Sitaramachandrarao, R. & Davis, B.
- Dawn, N. C. & Chakraborty, S. K.** On Rayleigh waves in Green- Lindsay's model of generalized thermoelastic media 20, 1989 276-283
- Dayal, S. & Jain, S.** A converse of Taylor's theorems on locally convex linear spaces 16, 1985 476-485; Pseudo-Norm topology on the space of continuous multilinear operators on linear topological spaces 18, 1987 1094-1102
- Dayal, S. & Marwaha, A.** Bounded and Frechet differentials for mappings on linear topological spaces using pseudonorm topology 20, 1989 969-976; Existence of  $n$ th bounded pseudo peano and  $n$ th peano differentials for mappings on normed linear spaces 21, 1990 791-798
- De Sarkar, P. K.** The problem of a hot punch in a micropolar elastic solid 16, 1985 1181-1201
- De, J. & Patra, B.** Edge crack in orthotropic elastic half-plane 20, 1989 923-930
- De, R. K.** *See* Dey, S. & De, R. K.
- De, S. K.** *See* Marti, M. & De, S. K.
- De, S. S.** Multispecies Geompertz-type model with time dependent parameters and its Stochastic generalization 17, 1986 1081-1091; The deterministic and stochastic models of populations with Geompertz-type interaction 16, 1985 1078-1088; The physical field with handedness 16, 1985 909-915
- De, U. C.** On a type of semi-symmetric connection on a Riemmanian manifold 21, 1990 334-338
- Debata, J. P.** *See* Das, G. & Debata, J. P.
- Debnath, K. D., Majumdar, A. K. & Ghosh, A.** On the flow in a rectangular cavity 14, 1983 646-660
- Debnath, L.** Unsteady axisymmetric capillary-gravity waves in a viscous fluid 14, 1983 540-553
- Debnath, L. & Guha, U. B.** The axisymmetric Cauchy-Poisson problem in a stratified liquid 20, 1989 1022-1031
- Denis, R. Y.** On generalization of Eulers continued fractions 21, 1990 78-81
- Deo, S.** On some Local and Global Cohomological properties which pass on to the Orbit space 14, 1983 1319-1326
- Deo, S. G.** *See* Vaz, P. T. & Deo, S. G.
- Deshmukh, S.** *See* Husain, S. I. & Deshmukh, S.

- Deshmukh, S., Ali, S. & Husain, S. I. Submersions of CR-submanifolds of a Kaehler manifolds 19, 1988 1185-1205
- Deshpande, J. V. & Mehta, G. P. Selection rules for IFRA populations 12, 1981 1-6
- Deshpande, N. V. See Kale, P. P. & Deshpande, N. V.
- Deshwal, P. S. See Mann, K. K. & Deshwal, P. S.
- Deshwal, P. S. See Mchan, N. & Deshwal, P. S.
- Deshwal, P. S. & Mohan, N. *P*-wave scattering at a coastal regions in a shallow ocean 19, 1988 1020-1030
- Deshwal, P. S. & Singh, J. On torsion of cylindrical beams 15, 1984 1261-1271; On torsion or rectangular cylinders with grooves 17, 1986 373-383
- Devanathan, R. See Gopalan, N. P. & Devanathan, R.
- Devanathan, R. See Mahalakshmi, C. V. & Devanathan, R.
- Devanathan, R. See Padmanabhan, N. & Devanathan, R.
- Dewan, K. K. See Bidkham, M. & Dewan, K. K.
- Dewan, K. K. & Govil, N. K. Some integral inequalities for polynomials 14, 1983 440-443
- Dey, S. See Chakraborty, M., Chattopadhyay, A. & Dey, S.
- Dey, S. & Chakraborty, M. Stresses in pre-stressed dry sandy soil due to normal moving load leading to Instability and fracture 20, 1989 165-180
- Dey, S. & De, R. K. Stresses in fluid-saturated porous half-space due to normal and tangential loadings 15, 1984 1375-1397
- Dey, S. & Pal Roy, P. On the effect of initial stresses in two dimensional finite element stress analysis 15, 1984 899-926
- Dey, S. K. See Chakravorty, J. G. & Dey, S. K.
- Dey, S., Roy, N. & Dutta, A. *P* and *S* waves in a medium under initial stresses and under gravity 15, 1984 795-808; Reflection and refraction of *P*-waves under initial stresses at an interface 16, 1985 1051-1072
- Dey, S., Roy, N. & Ghosh, S. Propagation of Rayleigh waves in an initially stressed incompressible half space under a rigid layer. A mathematical model showing the existence of non-seismic zone and explanation of two Rayleigh wave fronts 18, 1987 567-576
- Dhage, B. C. On applications of lattice fixed point theorem 17, 1986 596-601; Some results for the maps with a non-unique fixed point 16, 1985 245-256
- Dhakne, M. B. & Pachpatte, B. G. On a general class of abstract functional integrodifferential equations 19, 1988 728-746
- Dhami, H. S. & Rawat, M. S. Application of the confluent hypergeometric function to non-central Wishart distributions 13, 1982 806-810

- Dhamke, V. B.** See Pawar, Y. S. & Dhamke, V. B.
- Dhande, M.** See Kapur, J. N. & Dhande, M.
- Dhanpal, C.** See Agarwal, R. S. & Dhanpal, C.
- Dhar, A. K.** Heat-source problem of thermoelasticity in a non-simple elastic medium 13, 1982 1384-1392; Mechanical shock problem of coupled thermoelasticity in a non-simple elastic material 16, 1985 174-178
- Dhawan, S. C., Chaudhry, H. R. & Gupta, H. P.** Stress concentration around discontinuities of various configurations 21, 1990 1037-1048
- Dheena, P.** A generalization of strongly regular near-rings 20, 1989 58-63; On distributively generated near-rings with generators forming inverse semigroups 17, 1986 1309-1313; On near-fields 17, 1986 322-326
- Dhingra, S. L.** See Agrawal, A. K. & Dhingra, S. L.
- Dial, G.** A note on generalized useful information of degree  $\alpha$  15, 1984 1075-1078
- Dikshit, G. D.** A note on absolute summability factors of infinite series 16, 1985 1326-1340; On the absolute Cesaro summability of some series associated with fourier series 14, 1983 614-629; also see Chandra, P. & Dikshit, G. D.
- Dissanayake, U. N. B.** A note on Lindelof spaces 13, 1982 1117-1118
- Dissanayake, U. N. B. & Sastry, K. P. R.** A remark on Lindelof spaces 21, 1990 729-730, Locally Lindelof spaces 18, 1987 876-881
- Diwanji, S. M.** See Vartak, M. N. & Diwanji, S. M.
- Dixit, A. K.** Contiguous relations for the general  $H$ -functions of several variables 12, 1981 984-989; On some integral relations involving the general  $H$ -function of several complex variables 12, 1981 977-983
- Dixit, K. K.** On the logarithmic  $H$ -proximate order of analytic functions represented 13, 1982 1059-1065; also see Awasthi, K. N. & Dixit, K. K.
- Dixit, S. P.** See Jain, R. K. & Dixit, S. P.
- Dixit, V. N. & Paliwal, D. K.** On convex sub-lattices 17, 1986 769-777; Perspectivity and projectivity in N.T.C. and  $W$ -modular lattices 17, 1986 760-768
- Doha, E. H.** On the solution of the heat equation in Chebyshev series 15, 1984 865-878; The application of Newton's method to the solution of a free-boundary problem arising in the oil industry 13, 1982 515-521
- Doherey, R. P.** See Nautiyal, A. & Doherey, R. P.
- Doma, S. B.** Effective interactions for triton 12, 1981 769-778; Ground and first excited states of  $^4\text{He}$  12, 1981 1468-1476; Unitary scheme model study of triton with the HU and Massey potential 13, 1982 1455-1459
- Dorsett, C.** Semiregularization spaces and the semi closure operator,  $s$ -closed

- spaces, and quasi-irresolute functions 21, 1990 416-422
- Dowerah, S. & Chakrabarti, A. Diffraction by two staggered half-planes with periodic wall perturbations 16, 1985 411-448
- Dube, K. K. & Panwar, O. S. Some properties of 's-connectedness between sets' and 'set-s-connected mappings' 15, 1984 343-354
- Dube, R. S. Green's function of an elastic ring rounded by similar epitrochoids of class-2 and clamped along each boundary 14, 1983 362-376
- Dubey, G. C. See Singh, K. & Dubey, G. C
- Dubey, R. P. See Pathak, H. K. & Dubey, R. P.
- Duggal, B. P. On Putnam-Fuglede theorems of Hilbert-Schmidt type 21, 1990 731-736; The spectrum of a class of integral transforms 12, 1981 964-970
- Duggal, B. P. & Khalagai, J. M. Operator equations  $AB + BA^* = A^*B + BA = I$  13, 1982 1376-1383
- Duggal, K. L. On the geometry of electromagnetic fields of second class 14, 1983 455-461
- Duggal, K. L. & Sharma, R. Semi-symmetric metric connections in a semi-Riemmanian manifold 17, 1986 1276-1283
- Dumir, V. C. & Hans-Gill, R. J. Positive values of non-homogeneous quaternary quadratic forms 12, 1981 814-825
- Dutta, A. See Dey, S., Roy, N. & Dutta, A.
- Dutta, K. L. & Chakraborty, S. K. Random Rayleigh waves in non-homogeneous elastic media 20, 1989 646-654, Dynamic response of an elastic medium to random cylindrical sources 21, 1990 867-878
- Dutta, T. K. Hermitian elements in projective tensor products 21, 1990 605-616
- Dwivedi, A. P. & Gupta, P. A class of triple equations involving series of Jacobi and Laguerre polynomials 12, 1981 608-613; Some further triple Fourier- Laguerre series equations 13, 1982 1140-1141
- Dwivedi, A. P., Gupta, R. G. & Gupta, P. Certain triple series equations involving Jacobi polynomials 14, 1983 641-645
- Dwivedi, I. H. A class of solutions of vacuum field equations 13, 1982 1204-1207; A class of vacuum spaces 15, 1984 829-836
- Dwivedi, K. See Panda, B. B. & Dwivedi, K.
- El Sheikh, M. G. A dynamical problem of thermoelasticity for a two-layered hollow cylinder 15, 1984 557-566; A generalized Carleman boundary value problem for multiply connected domains 20, 1989 829-833; On the reduction of Dirichlet-Newton problems to the wing equation 17, 1986 1253-1262
- Elbashbeshy, E. M. A. Unsteady mass transfer from a Wedge 21, 1990 246-250
- El-Deeb, S. N. See Abd-el-Monsef, M. E., Hanafy, I. M. & El-Deeb, S. N.; also see Mashhour, A. S., Hasanein, I. A. & El-Deeb, S. N.

- El-Desouky, B. S. On selecting  $k$  balls from an  $n$ -line without unit separation 19, 1988 145-148
- El-Dewik, F. S. On the propagation of elastic waves in the half-plane 12, 1981 1260-1265; On the propagation of elastic-plastic wave in the half-space 13, 1982 741-749
- El-Dewik, F. S. On the propagation of waves in a non-homogeneous fluid 19, 1988 901-905
- El-Gendy, M. A. The centre of a metacyclic group 17, 1986 485-487
- El-Gendy, M. A. & Mostafa, F. E. Topological groups acting on sets 17, 1986 901-904; On  $\theta$ -refinable spaces 12, 1981 1397-1401
- Elkilany, S. See Elshaboury, S. & Elkilany, S.
- Elleithy, O. A. See El-Owaidy, H., Ammar, A. A. & Elleithy, O. A.
- Elnaggar, A. Existence and determination of super-harmonic synchronization as solutions of a Quasi-linear physical system 16, 1985 139-142
- El-Owaidy, H. On oscillation of second order differential equations 12, 1981 1425-1428; On stability of derivo-periodic solutions of non-holonomic systems 12, 1981 715-721
- El-Owaidy, H. & Ammar, A. A. Mathematical model of population interactions with dispersal : stability of two habitats with a predator 20, 1989 205-212
- El-Owaidy, H. & Zagrou, A. A. S. On oscillations and stability of third order differential equations 13, 1982 1360-1363; A note on second order nonlinear differential equations 15, 1984 441-444
- El-Owaidy, H., Ammar, A. A. & Elleithy, O. A. Stability in mammillary compartmental systems 20, 1989 104-110
- El-Owaidy, H., Zaghrout, A. A. S. & Ragab, A. A. On oscillations of nonlinear differential equations 18, 1987 501-506
- Elshaboury, S. First-order perturbations of the three finite body problems 17, 1986 1432-1437
- Elshaboury, S. & Elkilany, S. On periodic orbits of two spheroidal rigid bodies 14, 1983 735-740
- Elshaboury, S. M. On the problem of three gravitating triaxial rigid bodies 19, 1988 1005-1010; The motion of a spheroidal rigid body in the gravitation field of two spheres 15, 1984 1352-1362
- Elshaboury, S. M. & Abdel Fattah, S. On the restricted problem of three rigid bodies 19, 1988 890-895
- Elshehawey, E. F. See Zahreddine, Z. & Elshehawey, E. F.
- El-Sirafy, I. H. & Abdel-Moneim, A. M. Deflection of a clamped curvilinear plate under an isolated force at arbitrary point 12, 1981 1043-1053
- Elumalai, S. See Rao, G. S. & Elumalai, S.
- Ergun, N. On strongly rare-continuity 20, 1989 609-620
- Exoo, G. & Harary, F. The smallest cubic multigraphs with prescribed bipartite, block hamiltonian and planar proterties 13, 1982 309-312

- Exton, H. A note on a discontinuous hypergeometric integral 12, 1981 84-87; On the reducibility of the Lauricella function  $F^{2(n)}$ : 16, 1985 882-885
- Faltas, M. S. On transient development of waves at an interface between two fluids 20, 1989 1032-1042
- Farahmand, K. Crossings of a random algebraic polynomial 21, 1990 109-115; On the average number of crossings of an algebraic polynomial 20, 1989 1-9
- Faro, G. L. On strongly  $\alpha$ -irresolute mappings 18, 1987 146-151
- Fisher, B. The non-commutative neutrix product of the distributions  $x_+^{-r}$  and  $\delta^{(p)}(x)$  14, 1983 1439-1449
- Flahive, M. E. Indefinite quadratic forms in many variables 19, 1988 931-959
- Flytzanis, E. & Papageorgiou, N. S. Optimality conditions for a class of non-linear distribution parameter control systems 21, 1990 995-1008
- Fonseca, P. See Prasad, V. S. R., Rangamma, M. & Fonseca, P.
- Fora, A. A. Some results on sizable spaces 15, 1984 613-622
- Fukui, M. The intrinsic Gauss, Codazzi and Ricci equations for the Berwald connection in a Finsler hypersurface 19, 1988 846-853
- Gahlaut, S. See Mittal, R. C. & Gahlaut, S.
- Gajic, Lj. On relative topological degree of set-valued compact vector fields 19, 1988 269-276
- Ganapathy, M. K. See Swaminathan, V. & Ganapathy, M. K.
- Ganesan, M. S. On certain classes of analytic functions 13, 1982 47-57, Products of close-to- starlike and close-to-convex functions 12, 1981 332-342; also see Padmanabhan, K. S & Ganesan, M. S.
- Ganesan, N. See Chelvam, T. T. & Ganesan, N
- Ganguly, A. Fixed point theorems for three maps in uniform spaces 17, 1986 476-480
- Ganster, M. & Reilly, I. L. A note on S-closed spaces 19, 1988 1031-1034
- Garai, R. K. & Sen, H. On infinitesimal transformation in Riemannian spaces 14, 1983 1137-1147
- Garg, M. On double integral transforms 13, 1982 440-445; On multiple integral relations involving the multivariable  $H$ -function 15, 1984 1319-1331; Some theorems on multi-dimensional integral transforms 13, 1982 446-453
- Garg, N. R. & Singh, S. J. 2 - D Static response of a transversely isotropic multilayered half-space to surface loads 18, 1987 763-778; Quasi-static response of a layered half-space to surface loads 20, 1989 621-631
- Garg, O. P. & Arora, K. N. On a fractional differential operator 13, 1982 609-614
- Garg, R. & Prakash, S. Time minimizing transshipment problem 16, 1985 449-460
- Garg, R. S. On multidimensional Mellin

- convolutions and H-function transformations 13, 1982 30-38
- Garg, S. K.** See Narang, T. D. & Garg, S. K.
- Gasgupta, H.** See Saker, J. P. & Gasgupta, H.
- Gaur, M.** See Rai, A. & Gaur, M.
- Gaur, Y. N. & Bhatnagar, V.** Slow unsteady flow through a porous circular tube with axial waviness 16, 1985 90-102
- Gaur, Y. N. & Mehta, D. M.** Slow unsteady flow of a viscous incompressible fluid between two coaxial circular cylinders with axial roughness 12, 1981 1160-1170
- Gautam, G. P. & Goyal, A. N.** On Fourier kernels and asymptotic expansion 12, 1981 1094-1105
- George, O. T.** See Sridharan, M. R. & George, O. T.
- Ghanim, M. H.** See Mashhour, A. S. & Ghanim, M. H.
- Ghosal, T. K.** See Nandi, K. K. & Ghosal, T. K.
- Ghosh, A.** See Debnath, K. D., Majumdar, A. K. & Ghosh, A.
- Ghosh, M. & Ghosh, M. L.** Harmonic rocking of a rigid strip on a semi infinite elastic medium 16, 1985 938-956; Rayleigh waves due to non-uniformly propagating dip-slip fault 14, 1983 994-1006
- Ghosh, M. K.** See Maiti, M. & Ghosh, M. K.
- Ghosh, M. L.** See Ghosh, M. & Ghosh, M. L.
- Ghosh, M. L.** See Mandal, S. C. & Ghosh, M. L.
- Ghosh, M. L.** See Pal, S. C. & Ghosh, M. L.
- Ghosh, S.** See Dey, S., Roy, N. & Ghosh, S.
- Ghosh, S. K.** On transient disturbances in an elastic half-plane with a circular cavity 14, 1983 1412-1423; also see Seth, G. S. & Ghosh, S. K.
- Ghous, G.** See Zaman, F. D. & Asghar, S. & Ghous, G.
- Giannakoulis, E. M.** Absolute continuity and decomposability of vector measures taking values in a locally convex space with basis 18, 1987 1113-1120
- Gill, A. N. & Mehta, G. P.** Selection procedures for hazard rates based on two-sample statistics 20, 1989 773-781
- Goel, R. M. & Mehrotra, B. S.** On a class of close-to-convex functions 12, 1981 648-658; On the coefficients of a subclass of starlike functions 12, 1981 634-647; Some invariance properties of a subclass of close-to-convex functions 12, 1981 1240-1249
- Goel, R. M. & Sohi, N. S.** Multivalent functions with negative coefficients 12, 1981 844-853; On a class of spiral-like functions 12, 1981 628-633
- Goel, V. P.** See Aggarwal, S. P. & Goel, V. P.
- Gokhroo, M. K.** See Mehra, A. L. & Gokhroo, M. K.

- Gopal Rao, K. R.** See Yugandhar, K., Gopal Rao, K. R. & Srinivas, T.
- Gopalakrishna, H. S. & Bhoosnurmath, S. S.** On the distribution of values of differential polynomials 17, 1986 367-372
- Gopalan, M. A.** Note on minimax principle for heat convection equation 20, 1989 189-193
- Gopalan, N. P.** Substrate concentrations in a Krogh's tissue cylinder exhibiting first order kinetics 15, 1984 195-202
- Gopalan, N. P. & Devanathan, R.** Pressure distribution in peristaltic transport of fluids with an inserted catheter — a model of urometrogram 15, 1984 657-664
- Goswami, G. K.** See John, V. B., Goswami, G. K. & Singh, I. J.
- Goswami, K. C.** Density topology on  $R$  is not a Borel subset of its Stone-Cech compactification 16, 1985 45-48
- Goswami, S. K.** See Mandal, B. N. & Goswami, S. K.
- Gould, H. W.** The  $g$ -inverse and reverse-converse series inverse 17, 1986 613-628
- Govil, N. K.** See Dewan, K. K. & Govil, N. K.
- Govinda Rao, P.** See Vasudeva, R. Y., Bhaskara, R. K., Govinda Rao, P. & Avadhani, B. V. S.
- Govindaraj, C. & Kandaswamy, P.** Instability of hydromagnetic flow of stratified fluid between two rotating cylinders 13, 1982 1066-1074
- Govindarajulu, P.** On remotal points of pairs of sets 15, 1984 885-888; On simultaneous approximation in locally convex spaces 16, 1985 617-626, On solar properties of sets and radical continuity of set-valued  $f$ -projections 17, 1986 360-366; On upper semi-continuity of simultaneous operators 16, 1985 153-156
- Govindarajulu, P. & Pai, D. V.** On  $f$ -farthest points of sets 14, 1983 873-882
- Gowda, H.** See Puttamadaiah, C. & Gowda, H.
- Goyal, A. N.** See Gautam, G. P. & Goyal, A. N.
- Goyal, S. P.** See Gupta, K. C., Goyal, S. P. & Verma, S.
- Goyal, S. P. & Agrawal, R. K.** Bivariate distributions and the multivariable  $H$ -function 12, 1981 380-387; Fox's  $H$ -function and electric circuit theory 13, 1982 39-46
- Goyal, S. P. & Audich, S.** Certain inequalities for the Kampe de Fériet function 18, 1987 1006-1010
- Goyal, S. P. & Jain, R. M.** Fractional integral operators and the generalized hypergeometric functions 18, 1987 251-259
- Grace, S. R.** An oscillation criterion for second order nonlinear differential equation 20, 1989 297-306
- Grace, S. R. & Lalli, B. S.** Oscillations of functional differential equations caused by deviating arguments 21, 1990 120-139
- Grace, S. R. & Lalli, B. S.** On continuability and boundedness of



- solutions of certain second order integro-differential equations 12, 1981 950-963
- Gracia, J. M.** *See* Sodupe, M. J. & Gracia, J. M.
- Graff, J. R., Grammatikopoulos, M. K. & Spikes, P. W.** Oscillatory and asymptotic behaviour of higher order differential equations with deviating arguments 16, 1985 225-231
- Grammatikopoulos, M. K.** *See* Graff, J. R., Grammatikopoulos, M. K. & Spikes, P. W.
- Greenwood, S. & Reilly, I. L.** On feebly closed mappings 17, 1986 1101-1105
- Grover, V. K.** Splittings of Abelian groups by integers 19, 1988 330-332
- Guha, B.** Expansion of incomplete Gamma functions in terms of Jacobi polynomials 12, 1981 990-993
- Guha, S.** *See* Mukherjee, A. & Guha, S.
- Guha, U. B.** *See* Debnath, L. & Guha, U. B.
- Guia, J.** Some new proximity relations 16, 1985 609-616
- Gupta, A. K.** *See* Chandel, R. C. S. & Gupta, A. K.
- Gupta, A. K.** *See* Tomar, J. S. & Gupta, A. K.
- Gupta, A. K. & Sharma, J. K.** An efficient algorithm for solving fixed charge problems 14, 1983 32-39
- Gupta, A. P.** Torsional vibrations of shallow spherical sandwich shells 12, 1981 664-670
- Gupta, A. P. & Jain, M.** Axisymmetric vibrations of annular sandwich plates of parabolically varying thickness 17, 1986 1330-1339
- Gupta, A. P. & Sharma, K.** Bending of a sandwich annular plate of variable thickness 13, 1982 1313-1321
- Gupta, A. P. & Sharma, K. P.** Asymmetric bending of circular sandwich plate including transverse shear in facings 13, 1982 1537-1550
- Gupta, B. & Gupta, R.** Multi-criteria simplex method for a linear multiple-objective transportation problem 14, 1983 222-232
- Gupta, B. C.** An extension of the Fuglede-Putnam theorem and normality of operators 14, 1983 1343-1347
- Gupta, B. C. & Patel, S. M.** On extensions of Fuglede-Putnam theorem 19, 1988 55-58
- Gupta, B. N.** *See* Prasad, B. N., Gupta, B. N. & Singh, D. D.
- Gupta, B. N.** *See* Singh, U. P. & Gupta, B. N.
- Gupta, D. C.** *See* Tomar, J. S., Gupta, D. C. & Jain, N. C.
- Gupta, D. K. & Komal, B. S.** Fredholm composition operators on weighted sequence spaces 14, 1983 293-296
- Gupta, D. S.** *See* Sharma, H. G. & Gupta, D. S.
- Gupta, H.** Euler's totient function and its inverse 12, 1981 22-30; Multi-scalar systems and distribution matrices 13, 1982 127-147; On a partition-problem of Erdős 12, 1981

- 1293-1298; The binary system and distribution matrices 12, 1981 1408-1419; Two formulae for  $L(n)$  15, 1984 957-961
- Gupta, H. P.** See Dhawan, S. C., Chaudhry, H. R. & Gupta, H. P.
- Gupta, I.** See Vartak, M. N. & Gupta, I.
- Gupta, I. C. & Agarwal, A. K.** On a quaternion submanifolds of co-dimension-2 20, 1989 566-570
- Gupta, J. L.** See Singh, M. P., Gupta, J. L. & Bujurrke, N. M.
- Gupta, J. R.** See Banerjee, M. B. & Gupta, J. R.
- Gupta, J. R.** See Banerjee, M. B., Gupta, J. R. & Katyal, S. P.
- Gupta, J. R. & Kaushal, M. B.** On the region for linear growth rate in rotatory hydromagnetic thermohaline convection problem 19, 1988 395-406
- Gupta, J. R., Bhardwaj, U. D. & Sood, S. K.** Rayleigh-Taylor instability with rotation and magnetic field 16, 1985 73-83
- Gupta, J. R., Sood, S. K. & Bhardwaj, U. D.** A note on semi-circle theorems in thermohaline convection with rotation and magnetic field 15, 1984 203-210
- Gupta, J. R., Sood, S. K. & Bhardwaj, U. D.** On the characterization of nonoscillatory motions in rotatory hydromagnetic thermohaline convection 17, 1986 100-107
- Gupta, J. R., Sood, S. K. & Pathania, R. C.** A coupled system of linear homogeneous differential equations with variable coefficients and its applications 18, 1987 360-370
- Gupta, J. R., Sood, S. K. & Shandil, R. G.** A semi-circle theorem in thermohaline convection with rotation and magnetic field 14, 1983 115-128
- Gupta, K.** See Gupta, R. K. & Gupta, K.
- Gupta, K. C.** See Singh, A. & Gupta, K. C.
- Gupta, K. C.** Substitution theorems for integral transforms with symmetric Kernels 19, 1988 567-574
- Gupta, K. C. & Agrawal, S. M.** A finite integral involving a general class of polynomials and the multivariable  $H$ -function 20, 1989 604-608
- Gupta, K. C., Agrawal, S. M. & Soni, R. C.** Fractional integral formulae involving the multivariable  $H$ -function and a general class of polynomials 21, 1990 70-77
- Gupta, K. C., Goyal, S. P. & Verma, S.** Unified integrals involving a general class of polynomials and the multivariable  $H$ -function 18, 1987 65-73
- Gupta, L. C.** See Saxena, R. K. & Gupta, L. C.
- Gupta, M. & Varshney, V. P.** Note on the flow of a rarefied gas through a channel with Hall effect 12, 1981 753-757
- Gupta, M. R.** Symmetric vibrations of an elastic semi-conductor in the form of a spherical shell under mechanical, thermal and electric fields 21, 1990 582-596

- Gupta, N. D. & Passi, I. B. S. The Fox modules of a finite group 12, 1981 430-439
- Gupta, P. See Dwivedi, A. P. & Gupta, P.
- Gupta, P. See Dwivedi, A. P., Gupta, R. G & Gupta, P.
- Gupta, R. See Gupta, B. & Gupta, R.
- Gupta, R. G. See Dwivedi, A. P., Gupta, R. G & Gupta, P.
- Gupta, R. K. Motion induced by axis-symmetric bodies vibrating along the axis of rotation of an infinite rotating liquid 13, 1982 1253-1272; Unsteady flow of a dusty gas in elliptical and confocal channels with moving boundaries 13, 1982 829-839
- Gupta, R. K. See Saxena, R. K. & Gupta, R. K.
- Gupta, R. K. See Saxena, R. K. & Gupta, R. K.
- Gupta, R. K. & Gupta, K. Unsteady flow of a dusty viscoelastic fluid through channel with volume fraction 21, 1990 676-690
- Gupta, R. K. & Kasture, D. Y. Comments on the paper "Motion induced by axisymmetric bodies vibrating along the axis of rotation of an infinite rotating liquid" 14, 1983 1431-1432
- Gupta, R. N. Endomorphism ring of Artinian module 16, 1985 1478-1480
- Gupta, R. R. See Chandra, P. & Gupta, R. R.
- Gupta, R. S. See Gupta, Y. K. & Gupta, R. S.
- Gupta, S. K., Bhardwaj, P. C. & Rana, V. D. Thermo-creep transition of a thick isotropic spherical shell under internal pressure 19, 1988 1239-1248
- Gupta, U. S. See Roshan Lal & Gupta, U. S.
- Gupta, U. S., Lal, R. & Verma, C. P. Vibration and buckling of parabolically tapered polar orthotropic annular plates on elastic foundation 18, 1987 269-282
- Gupta, V. See Singh, V. P. & Gupta, V.
- Gupta, V. G. See Chaurasia, V. B. L. & Gupta, V. G.
- Gupta, Y. K. See Pandey, S. N., Gupta, Y. K. & Sharma, S. P.
- Gupta, Y. K. & Gupta, R. S. Generalized Schwarzschild interior solutions 15, 1984 9-14
- Habib, A. On the degree of approximation of functions by certain new Bernstein type polynomials 12, 1981 882-888
- Hady, F. M. See Mansour, M. A. & Hady, F. M.
- Hady, F. M. & Hassanien, I. A. Magnetohydrodynamic and constant suction / injection effect of axisymmetric stagnation point flow and mass transfer for power-law fluids 17, 1986 108-120
- Haj, A. A. Coupled second order boundary value problems 17, 1986 1324-1329
- Halim, M. A. See Takhar, H. S. & Halim, M. A.
- Hall, R. R. & Ruscheweyh, St. On transforms of functions with

- bounded boundary rotation 16, 1985 1317-1325
- Hamedani, G. G.** Oscillation of second and third order delay differential equations 16, 1985 1446-1454; Some global existence theorems for the solutions of functional differential equations 14, 1983 1238-1244
- Hamedani, G. G. & Krenz, G. S.** Oscillatory properties for  $n$ th order functional differential equations 21, 1990 309-319
- Hanafy, I. M.** See Abd-el-Monsef, M. E., Hanafy, I. M. & El-Deeb, S. N.
- Handa, B. R. & Maiti, V.** Subset selection of better than control constant failure rate units using different sampling schemes 13, 1982 1231-1239
- Hans-Gill, R. J.** See Dumir, V. C. & Hans-Gill, R. J.
- Harary, F.** See Exoo, G. & Harary, F.
- Harder, A. M. & Hicks, T. L.** Fixed point theory and iteration procedures 19, 1988 17-26
- Hari Kishan.** See Rathy, R. K. & Hari Kishan
- Harinath, K. S. & Vidya, S.** Slow steady flow between two coaxially tapered tubes 15, 1984 935-942
- Hasanein, I. A.** See Allam, A. A., Zahran, A. M. & Hasanein, I. A.
- Hasanein, I. A.** See Mashhour, A. S., Hasanein, I. A. & Abd El-Monsef, M. E.
- Hasanein, I. A.** See Mashhour, A. S., Hasanein, I. A. & El-Deeb, S. N. *also see* Hady, F. M. & Hassanien, I. A., *also see* Mansour, M. A., Hassanien, I. A. & Bakier, A. Y.
- Hassanien, S. F.** See Soliman, M. A., Abdel-All, N. H. & Hassanien, S. F.
- Heatherly, H.** Algebras with a unity commutator 19, 1988 36-41
- Heckman, R. K.** See Rao Chivukula, R. & Heckman, R. K.
- Hegazi, A. S.** Representations of Heisenberg lie super algebras 21, 1990 557-566
- Hegazi, A. S. & Ahmed, E.** On Bosonization of Lie superalgebra in two dimensions 21, 1990 905-908
- Henriquez, H. R.** Cosine operator families such that  $C(t) - 1$  is compact, for all  $t \geq 0$  16, 1985 143-152
- Hicks, T. L.** Fixed point theorems for multivalued mappings 20, 1989 1077-1079; *also see* Harder, A. M. & Hicks, T. L.
- Hiremath, P. S.** See Bujurke, N. M., Bhavi, S. G. & Hiremath, P. S., *also see* Kumar, M. & Hiremath, U.
- Hiremath, V. A.** Coflat modules 17, 1986 223-230
- Hiremath, V. A.** Copure-injective modules 20, 1989 250-259; Hopfian rings and Hopfian modules 17, 1986 895-900
- Hofmann, B.** On a particular initial value problem, with an application in reservoir analysis 19, 1988 1011-1019
- Hossain, M. A. & Rahman, A. F. M. A.** On the steady flow between two

- porous rotating discs in presence of transverse magnetic field 15, 1984 187-194
- Hotta, G. C. & Padhi, T. C. On  $n, P_n$  summability of an associated conjugate series of a Fourier series 12, 1981 452-458
- Hulsurkar, S. Elastic-plastic transitions in transversely isotropic shells under uniform pressure 12, 1981 552-558
- Husain, S. I. See Deshmukh, S., Ali, S. & Husain, S. I.; also see Shahid, M. H. & Husain, S. I.
- Husain, S. I. & Deshmukh, S. CR-Submanifolds of a nearly Kaehler manifold 18, 1987 979-990
- Hussain, M. A. On a nonlinear integrodifferential equation in Banach space 19, 1988 516-529
- Ibrahim, El. I. See Ibrahim, F. N. & Ibrahim, El. I.
- Ibrahim, F. N. & Ibrahim, El. I. Variable viscosity flow of dilute suspension of rigid ellipsoidal particles in plane channel 15, 1984 445-454
- Ikeda, S. A Finslerian extension of the gravitational field 17, 1986 813-818; A Finslerian extension of the gravitational field-III 21, 1990 841-846; A Finslerian extension of the gravitational field-II 20, 1989 229-234
- Ilyas, M. See Nasir, M. Y. & Ilyas, M.
- Imdad, M. See Khan, M. S. & Imdad, M.
- Indira, C. & Arunachalam, M. Transient free convection flow around two-dimensional or axisymmetric bodies 19, 1988 812-826
- Indurkar, P. N. & Saxena, R. K. On chains of generalized Kummer's transform of two variables 13, 1982 651-655
- Istratescu, V. Another proof that a complex Hilbert algebra is isomorphic to the complex numbers 14, 1983 179-180
- Iyer, V. G. A note on the space of integral functions 12, 1981 854-855
- Jadiya, B. L. See Beohar, B. K. & Jadiya, B. L.
- Jadiya, B. L. & Ranadive, V. S. On the Norlund summability of conjugate Fourier series 13, 1982 1354-1359
- Jagtap, T. B. & Patil, K. R. Multilateral generating function for biorthogonal polynomials by the method of Srivastava 21, 1990 62-69
- Jahagirdar, M. D. See Lahurikar, R. M. & Jahagirdar, M. D.
- Jahagirdar, M. D. & Lahurikar, R. M. Transient forced and free convection flow past an infinite vertical plate 20, 1989 711-715
- Jahangiri, M. On the coefficients of powers of a class of Bazilevic functions 17, 1986 1140-1144
- Jain, M. See Cherian, J., Jain, M. & Sharma, G. C.
- Jain, M. See Gupta, A. P. & Jain, M.
- Jain, M. See Trivedi, S. K., Jain, M. & Sharma, G. C.
- Jain, M. & Sharma, G. C. A seminumerical iterative method for solving a machine interference problem 17, 1986 1-7

- Jain, N. C. See Tomar, J. S., Gupta, D. C. & Jain, N. C. and associated bitopological spaces 12, 1981 945-949
- Jain, P. K. & Ahmad, K. Unconditional Schauder decompositions and best approximations in Banach spaces 12, 1981 1456-1467
- Jain, P. K., Kaushik, S. K. & Sinha, D. P. On linear independence of sequences in conjugate Banach spaces 20, 1989 1083-1095
- Jain, R. K. Extensions of some fixed point theorems of Brian Fisher 14, 1983 940-943. Polynomial rings and multiplication rings 17, 1986 1317-1318
- Jain, R. K. See Prabha, S. & Jain, R. K.
- Jain, R. K. See Singh, G. & Jain, R. K.
- Jain, R. K. See Subbiah, M. & Jain, R. K.
- Jain, R. K. & Dixit, S. P. Some results on fixed points in pseudocompact tichonov space 15, 1984 455-458
- Jain, R. M. See Goyal, S P & Jain, R M.
- Jain, S. See Dayal, S. & Jain, S.
- Jain, U. C. See Chandel, R. S. & Jain, U. C.
- Jain, V. K. On transformations of basic bilateral series and their applications 15, 1984 543-556
- Jain, V. K. See Verma, A. & Jain, V. K.
- Jain, V. K. Some  $q$ -orthogonal polynomials 16, 1985 875-881
- Jankovic, D. S. & Reilly, I. L. On semi separation properties 16, 1985 957-964
- Jas, M. & Banerjee, C. Quasi-proximity and associated bitopological spaces 12, 1981 945-949
- Jat, R. N. See Mishra, J. J, Bansal, J L. & Jat, R. N.
- Jayamala, M. See Padmanabhan, K S. & Jayamala, M
- Jayaram, C. & Mannepalli, V. L. Noetherian regular rings 20, 1989 554-559
- Jayaram, C. Baer ideals in commutative semiprime rings 15, 1984 855-864, Prime  $\alpha$ -ideals in a  $O$ -distributive lattice 17, 1986 331-337, Regular rings 19, 1988 653-658
- Jayaraman, L. & Ramanaiah, G. Second-order fluid-transient MHD couette flow with constant stress at upper plate 15, 1984 927-934
- Jayasri, C. Direct and inverse theorems for certain Bernstein-type operators 16, 1985 1495-1511; On generalized Lototsky summability 13, 1982 795-805
- Joadar, L, Morera, J. L. & Navarro, E. Closed form solutions of two-point boundary vlaue problems for second order matrix differential equations 21, 1990 194-202
- Johnson, K. R. A criterion for generalized Ramanujan sums 21, 1990 234-237
- Johnson, R. An explicit formula for sums of Ramanujan type sums 18, 1987 675-677
- Johri, A. K. See Sharma, J. S. & Johri, A. K.
- Johri, A. K. & Sharma, J. S. Fluctuating flow of a viscoelastic fluid past a porous pate in a rotating medium

- with an applied magnetic field 13, 1982 1098-1108
- Johri, V. B., Goswami, G. K. & Singh, I. J. Perfect fluid models of anisotropic universe 12, 1981 786-798
- Joshi, A. D. *See* Thatte, A. D. & Joshi, A. D.
- Joshi, C. M. *See* Singhal, J. P. & Joshi, C. M.; *also see* Verma, A. & Joshi, C. M.
- Joshi, C. M. & Arya, J. P. Concerning some properties of the  $H$ -functions of several variables 12, 1981 826-843; Inequalities for certain confluent hypergeometric functions of two variables 13, 1982 491-500
- Joshi, J. M. C. *See* Joshi, R. M. & Joshi, J. M. C.
- Joshi, J. M. C. & Upreti, R. On the representation of functions as generalized Laplace integrals 12, 1981 856-864
- Joshi, R. M. & Joshi, J. M. C. Confluent hypergeometric function of second kind with matrix argument 16, 1985 627-636
- Joshi, V. G. & Saxena, R. K. Complex inversion and uniqueness theorem for the generalized  $H$ -transform 14, 1983 322-329; Structure theorems for  $H$ -transformable generalized functions 13, 1982 25-29
- Jothibai, A. *See* Rao, G. S. & Jothibai, A.
- Jothilingam, P. When is a flat module projective 15, 1984 65-66
- Juneja, O. P. *See* Srivastava, G. S. & Juneja, O. P.
- Juneja, O. P. & Srivastava, B. L. On a Banach space of a class of Dirichlet series 12, 1981 521-529
- Kafousias, N. *See* Raptis, A., Kafousias, N., Perdakis, C. & Tzivanidis, G.
- Kafousias, N. G. *See* Raptis, A. A., Kafousias, N. G., Massalas, C. V. & Tzivanidis, G. J.
- Kageyama, S. *See* Mohan, R. N. & Kageyama, S.
- Kak, S. C. Strings of first digits of powers of a number 14, 1983 896-907
- Kale, P. P. & Deshpande, N. V. Corrections to "The neighbourhood number of a graph" 19, 1988 927-930; On line independence, domination, irredundance and neighbourhood numbers of a graph 21, 1990 695-698
- Kale, P. P. & Purohit, A. Pseudoplane symmetric interior and exterior solutions for a thick disk of fluid 14, 1983 49-59; Static charged dust cylinders in general relativity 13, 1982 840-846
- Kalita, S. C. *See* Chetiya, B. P. & Kalita, S. C.
- Kalpana. Some results on almost semi-invariant submanifold of an  $Sp$ -Sasakian manifold 20, 1989 681-689
- Kalra, K. R. *See* Bagga, P. C. & Kalra, K. R.
- Kalyani, V. K. Dispersion of Love waves in an initially stressed multilateral crust 21, 1990 1029-1036
- Kalyanshetti, S. B. & Waghmode, B. B. Analogue of Birkhoff's theorem in

- Einstein-Cartan theory for Zel'dovich fluid 13, 1982 1208-1212
- Kandaswamy, P. *See* Govindaraj, C. & Kandaswamy, P.
- Kandu, D. Certain expansions associated with basic hypergeometric functions of three variables 19, 1988 562-566; Certain expansions involving basic hypergeometric functions of two variables 18, 1987 438-441
- Kang, S. M. *See* Noiri, T. & Kang, S. M.
- Kankurikar, R. S. On a generalization of Iyer's space of integral functions III 12, 1981 205-221
- Kannan, V. A note on a set-theoretic result of Mrowka 12, 1981 71-72
- Kanoria, M. Torsion of a non-homogeneous circular cylinder of finite length having a rigid spherical inclusion 13, 1982 221-228
- Kant, V. *See* Sinha, R. & Kant, V.
- Kapoor, G. P. *See* Nautiyal, A. & Kapoor, G. P.
- Kapoor, G. P. & Nautiyal, A. Approximation of entire harmonic functions in  $R^3$  13, 1982 1024-1030; Growth and approximation of generalized bi-axially symmetric potentials 19, 1988 464-476; On the growth of generalized axisymmetric potentials 13, 1982 1240-1245
- Kapoor, O. P. & Mathur, S. B. Triangle contractive maps and their fixtures in normed linear spaces 16, 1985 1028-1039
- Kapoor, P. *See* Biswas, P. & Kapoor, P.
- Kapur, J. N. A note on the relationships between some probability distributions, measures of entropy, measures of directed divergence and distributions of statistical mechanics 14, 1983 1433-1438; Entropic measures of economic inequality 17, 1986 273-285; Four families of measures of entropy 17, 1986 429-449; Non-additive measures of entropy and distributions of statistical mechanics 14, 1983 1372-1387; Statistical decomposition of directed divergence due to a number of factors and interactions among them 16, 1985 1407-1419; On convex semi-metric spaces and generalised Shannon inequalities 18, 1987 122-135; On minimum interdependence principle 15, 1984 968-977; On some upper bounds for the probability of error 16, 1985 1227-1231; Oxygen concentration profiles in capillaries and living tissues for general linear kinetics when axial diffusion is considered 13, 1982 847-860; Solution of the conjugate boundary value problem of mass transfer in circular duct dialysers by using Galerkin's method 12, 1981 163-174; Some mathematical models for optimal management of forests 13, 1982 273-286; Stability analysis of a difference equation population model with delayed recruitment 12, 1981 7-21
- Kapur, J. N. & Dhande, M. On the entropic measures of stochastic dependence 17, 1986 581-595
- Kapur, J. N. & Kapur, S. On May's predator-prey model 12, 1981 1299-1311
- Kapur, J. N. & Tripathi, G. P. New measures of directed and



- symmetric-divergence based on  $m$  probability distributions 19, 1988 617-626; On a monotonicity property of measures of directed-divergence 20, 1989 851-857
- Kapur, S.** See Kapur, J. N. & Kapur, S.
- Karade, T. M.** Spherically symmetric space-times in bimetric relativity theory-II 12, 1981 1486-1491
- Karande, B. K. & Patil, K. R.** Expansion formulas for Srivastava polynomials in series of the Konhauser biorthogonal polynomials 12, 1981 1124-1128; Note on Konhauser biorthogonal polynomials 12, 1981 222-225
- Karaulia, D. S.** See Srivastava, K. N., Palaiya, R. M. & Karaulia, D. S.
- Kariofillis, C. G.** On minimal pairwise Hausdorff bitopological spaces 19, 1988 751-760
- Karlsson, P. W.** Some properties of generalized Srivastava functions 15, 1984 483-490
- Karunakaran, V. & Padma, K.** Functions of bounded radius rotation 12, 1981 621-627
- Karunakaran, V. & Ponnusamy, S.** Differential subordination and conformal mappings I 20, 1989 560-565
- Kasana, H. S.** A remark on papers of G. Pslya and P. K. Kamthan 17, 1986 507-511
- Kashara, S.** See Singh, S. L. & Kashara, S.
- Kasi, M. S.** Convex univalent polynomials 20, 1989 341-346
- Kassem, S. E.** Multiple expansions for two superposed fluids each of finite depth 13, 1982 1109-1116, Wave source potentials for two superposed fluids, each of finite depth 18, 1987 186-193
- Kasture, D. Y.** See Gupta, R. K. & Kasture, D. Y., also see Shastri, R. P. & Kasture, D. Y.
- Katiyar, H. K.** See Newal Kishore, Tejpal, S. & Katiyar, H. K.
- Katragadda, S.** See Ramabhadrasarma, I. & Katragadda, S.
- Katre, S. A.** Cyclotomic numbers and a conjecture of Snapper 20, 1989 99-103
- Katre, S. A. & Rajwade, A. R.** Jacobsthal sums of prime order 17, 1986 1345-1362
- Katyal, S. P.** See Banerjee, M. B. & Katyal, S. P.
- Katyal, S. P.** See Banerjee, M. B., Gupta, J. R. & Katyal, S. P.
- Kaul, B. N. & Singh, V.** A note on almost convergence of functions 12, 1981 1129-1132
- Kaul, R. N.** Directional derivative of marginal function in mathematical programming 16, 1985 1221-1226
- Kaul, R. N. & Lyall, V.** Non-convex and semi-differentiable functions 19, 1988 1167-1179
- Kaur, A.** See Verma, D. P. & Kaur, A.
- Kaur, S.** Subgradient duality in fractional programming 13, 1982 287-298
- Kaur, S. & Bhatia, D.** Duality theory for

- generalized fractional programmes  
14, 1983 257-264
- Kaushal, M. B.** See Gupta, J. R. & Kaushal, M. B.
- Kaushik, S. K.** See Jain, P. K., Kaushik, S. K. & Sinha, D. P.
- Kemoto, N.** Characterization of expandibility and the B-property 21, 1990 923-934; New subspaces of extensions, connectedness and local connectedness 18, 1987 234-247; Weak  $(w_1, \infty)^Y$  refineability - in ordered spaces 21, 1990 116-119
- Kesari, P. & Rajhans, B. K.** Scattering of compressional waves by a circular cylinder 19, 1988 194-201
- Kesava Rao, B.** See Sri Hari Rao, A., Shukla, R. K. & Kesava Rao, B.
- Keshri, A.** See Chattopadhyay, A. & Keshri, A.; also see Chattopadhyay, A., Keshri, A., & Bose, S.
- Khalagai, J. M.** See Duggal, B. P. & Khalagai, J. M.
- Khan, M. S.** Common fixed point theorems for a family of mapping 12, 1981 305-311
- Khan, M. S. & Imdad, M.** A common fixed point theorem for a class of mappings 14, 1983 1220-1227
- Khan, M. S. & Swaleh, M.** Fixed point theorems for generalized contractions 15, 1984 984-990
- Khan, P. M. D. & Pachpatte, B. G.** On quasilinear volterra integrodifferential equation in a Banach space 18, 1987 32-49
- Khanna, I. K. & Pandey, P.** Basic properties of a new type of polynomial set 13, 1982 1075-1084
- Khanna, S.** Impact of extra flow in a transportation problem 13, 1982 656-665; See Narang, T. D. & Khanna, S.
- Khare, S. P.** Generalized Norlund summability of Fourier series and its conjugate series 21, 1990 457-467
- Khare, S. P. & Tripathi, S. K.**  $(N, p, q)$  summability of Jacobi series 19, 1988 353-368
- Khare, S. S.** Characteristic numbers for oriented singular G-bordism 13, 1982 637-642; Stationary points sets and G-bordism 14, 1983 1-4
- Khedr, F. H.** See Mashhour, A. S., Allam, A. A., Mahmoud, F. S. & Khedr, F. H.
- Khedr, F. H.** See Mashhour, A. S., Khedr, F. H. & Abd El-Bakkey, S. A.
- Khidr, A. M.** Matching of order statistics with intervals 12, 1981 1402-1407
- Khidr, A. M. & Abdelnasser, M. T.** Decomposing the sum of independent Bernoulli variates to its components 15, 1984 297-300
- Khurana, K. & Bagga, P. C.** Scheduling of job-block with dead line in  $n \times 2$  flowshop problem with separated set up times 16, 1985 213-224
- Kim, B. H.** Remarks on submanifolds of codimension 2 of an even-dimensional euclidean space 20, 1989 466-471
- Kiranagi, B. S. & Prema, G.** Cohomology of lie algebra bundles and its applications 16, 1985 731-735

- Kishore, N., Tejpal, S. & Tiwary, R. A. Hydrodynamic flow past an accelerated porous plate in rotating system 12, 1981 111-118
- Kiventidis, T. On fixed points in Hausdorff spaces 16, 1985 1420-1424; Some properties of the spheres in Metric spaces 19, 1988 1077-1080
- Knowles, J. K. An energy estimate for the biharmonic equation and its application to Saint-Venant's principle in plane elastostatics 14, 1983 791-805
- Ko, Aye. *See* Tiwari, A. K. & Ko, Aye
- Kochkin, A. P. Stress-strain dependence in the nonlinear theory of elasticity 17, 1986 564-580
- Koirala, S. P. *See* Pandeya, B. M., Paramhans, S. A. & Koirala, S. P.
- Komal, B. S. *See* Gupta, D. K. & Komal, B. S.
- Komal, B. S. *See* Singh, R. K. & Komal, B. S.
- Koninck, J. M. D. & Sitaramachandrarao, R. Sums involving the largest prime divisor of an integer II 19, 1988 990-1004
- Konstadilaki-Savopoulou, Ch. & Reilly, I. L. On Datta's bitopological paracompactness 12, 1981 799-803
- Koppar, S. S. *See* Patel, L. K. & Koppar, S. S.
- Koranne, P. S. *See* Tiwari, A. K. & Koranne, P. S.
- Koul, C. L. *See* Agal, S. N. & Koul, C. L.; *also see* Arora, A. K. & Koul, C. L.; *also see* Raina, R. K. & Koul, C. L.
- Kovacevic, I. On  $\alpha$ -Hausdorff subsets, almost closed mappings and almost upper semi-continuous decomposition 20, 1989 334-340
- Krenz, G. S. *See* Hamedani, G. G. & Krenz, G. S.
- Krishna Kumar, B. *See* Parthasarathy, P. R. & Krishna Kumar, B.
- Krishna, D. V. *See* Prasada Rao, D. R. V. & Krishna, D. V.; *also see* Prasada Rao, D. R. V & Krishna, D. V.
- Krishna, D. V. *See* Sivaprasad, R., Prasad Rao, D. R. V & Krishna, D. V.
- Krishnamachari, N. S. Tensor product of compact operators on non-archimedean Banach spaces 15, 1984 623-624; Tensor product of Fredholm operators on nonarchimedean Banach spaces 14, 1983 699-702
- Krishnaswamy, R. & Nath, G. Hypersonic boundary layers for slender axisymmetric bodies with large injection or magnetic field 14, 1983 1450-1463
- Krori, K. D. & Choudhury, T. Classes of general axisymmetric solutions of Einstein-Maxwell equations 12, 1981 277-283
- Kulkarani, S. H. & Srinivasan, N. An analogue of Bishop's theorem for real function algebras 18, 1987 136-145
- Kulkarni, R. D. D'Alembert's functional equation on products of topological groups 19, 1988 539-548
- Kulkarni, S. H. Fourier transforms of physical functions Part I - Infinite differentiability 14, 1983 980-993;

- Fourier transforms of physical functions part-II-infinitely many oscillations 14, 1983 1183-1193
- Kulkarni, S. H. & Srinivasan, N. An analogue of Hoffman-Wermer theorem for a real function algebra 19, 1988 154-166, Erratum "An analogue of Hoffman-Wermer theorem for a real function algebra" 20, 1989 98
- Kulli, V. R. & Akka, D. G. On outerplanar repeated line graphs 12, 1981 195-199
- Kulli, V. R. & Annigeri, N. S. On  $CK_1$ -reconstruction of a pair of Graphs 21, 1990 50-54
- Kumar, A. See Pandey, H. B. & Kumar, A.; also see Singh, B. B. & Kumar, A.
- Kumar, A. & Aggarwal, A. Multiplication theorems for generalised Nvrlund summability 14, 1983 1388-1397
- Kumar, A. & Srivastava, G. S. Bases in the space of entire Dirichlet series of slow growth 21, 1990 350-358
- Kumar, A. B. Thermo-elastic waves from suddenly punched hole in stretched elastic plate 20, 1989 181-188
- Kumar, B. K. See Parthasarathy, P. R. & Kumar, B. K.
- Kumar, K. & Varshney, C. L. Viscous flow through a porous medium past an oscillating plate in a rotating system 15, 1984 1014-1019
- Kumar, M. See Sharma, H. G. & Kumar, M.
- Kumar, M. & Hiremath, U. Annular punch problem for an elastic layer overlying an elastic foundation 13, 1982 573-580; The axisymmetric boussinesq problem for a heated annular punch 15, 1984 1036-1047
- Kumar, M. & Nath, G. Unsteady free convection MHD boundary layer flow near a three-dimensional stagnation point 17, 1986 957-968
- Kumar, N. See Mittal, M. L., Prasad, G. & Kumar, N.
- Kumar, N. See Srivastava, G. S. & Kumar, N.
- Kumar, N. & Srivastava, G. S. The mean values of an analytic function represented by Dirichlet series 16, 1985 271-278; The mean values of an analytic function represented by Dirichlet series II 17, 1986 1027-1030
- Kumar, P. See Sharma, M. B., Kumar, P. & Sharma, G. C.
- Kumar, R. See Singh, B. & Kumar, R.
- Kumar, R. & Chadha, T. K. Plane problem in micropolar elastic half-space with stretch 16, 1985 559-574; Plane problem in micropolar therrmoelastic halr-space with stretch 17, 1986 827-842
- Kumar, S. & Shenoy, B. G. A note on the Ilyeff-Sendov conjecture 21, 1990 981-984
- Kumar, V. On univalent functions with fixed second coefficients 14, 1983 1424-1430
- Kumar, V. See Shukla, S. L. & Kumar, V.
- Kumar, V. & Choudhry, R. K. Linear stability and the resonance for the triangular libration points for the doubly photogravitational elliptic restricted problem of three bodies

- 20, 1989 403-422; On the stability of the triangular libration points for the photogravitationla circular restricted problem of three bodies when both of the attracting bodies are radiating as well 18, 1987 1023-1039
- Kumar, V. & Shukla, S. L.** Multivalent functions defined by Ruscheweyh derivatives 15, 1984 1216-1227; Multivalent functions defined by Ruscheweyh derivatives-II 15, 1984 1228-1238
- Kumari, M. & Nath, G.** Unsteady self-similar stagnation point boundary layers for micropolar fluids 17, 1986 231-244
- Kumari, S.** See Singhal, J. P. & Kumari, S.
- Kundu, K.** See Mandal, B. N & Kundu, K.
- Kundu, P. K.** Incoming water waves against a vertical cliff in a two-fluid medium 20, 1989 292-296
- Kundu, S. K.** See Paul, P. K. & Kundu, S. K.
- Kunwar, B.** On a class of linear positive operators 13, 1982 13-24
- Kurt, V.** On Dedekind sums 21, 1990 893-896
- Kushwaha, R. D. S. & Yadav, D. K.** On almost para contact metric manifolds : Nijenhuis tensor 13, 1982 633-636
- Kushwaha, R. S.** See Bansal, J. L., Mishra, J. J. & Kushwaha, R. S.
- Kushwaha, V.** See Chattopadhyay, A., Pal, A. K. & Kushwaha, V.
- Kuttner, B.** Some remarks on summability factors 16, 1985 1017-1027
- Kwong, Y. H. H.** See Bodroza, R. T. O., Kwong, Y. H. H. & Straight, J
- Laha, G.** See Das, J., Chatterjee, A. & Laha, G.
- Lahiri, B. K.** See Chakrabarti, S. & Lahiri, B. K.
- Lahiri, B. K.** See Das, A. G. & Lahiri, B. K.
- Lahiri, B. K.** See Tiwary, K. & Lahiri, B. K.
- Lahiri, I.** Growth of composite integral functions 20, 1989 899-907
- Lahiri, J.** See Chaudhuri, A. K., Lahiri, J. & Mukherjee, R. N.
- Lahurikar, R. M.** See Jahagirdar, M. D & Lahurikar, R. M.
- Lahurikar, R. M. & Jahagirdar, M. D.** Unsteady forced and free convection flow past an infinite vertical plate through a porous medium 21, 1990 396-402
- Lakshma Reddy, G.** A variational method on certain classes of analytic functions 14, 1983 604-613; On certain classes of functions with bounded boundary rotation 13, 1982 195-204
- Lakshmanan, L.** On an M-semigroup and its set of idempotent elements 21, 1990 423-433
- Lakshmanan, V.** Integral representation of superharmonic functions of finite order in  $R^m$  12, 1981 1326-1335
- Lakshmanan, V.** See Chandran, V. R. & Lakshmanan, V.
- Lal, C.** On the integrals of Lauricella functions 18, 1987 818-822

- Lal, H. C. *See* Sinha, R. S. & Lal, H. C.
- Lal, J. *See* Singh, B. & Lal, J.
- Lal, J. *See* Singh, B., Lal, J. & Agarwal, P. K.
- Lal, M. *See* Narain, K., Singh, V. B. & Lal, M.
- Lal, P. C. On the disturbance produced by an impulsive torsional motion of a circular ring source in a semi-infinite transversely isotropic medium 16, 1985 179-188
- Lal, R. *See* Gupta, U. S., Lal, R. & Verma, C. P.
- Lal, S. N. *See* Nath, B., Lal, S. N. & Mukherjee, R. N.
- Lal, S. N. & Das, M. 2-Functionals and some extension theorems in linear spaces 13, 1982 912-919
- Lal, S. N. & Singh, K. N. On the absolute summability of weighted Fourier series by Nvrlund means 12, 1981 350-361
- Lala, A. & Shrivastava, P. N. Inversion of an integral involving a generalized Hermite polynomials 21, 1990 163-166
- Lalli, B. S. *See* Grace, S. R. & Lalli, B. S.
- Ledger, A. J. A characterisation of complex grassmann manifold 15, 1984 99-112
- Liddament, M. W. *See* Takhar, H. S. & Liddament, M. W.
- Lin, S. D. A common fixed point theorem in abstract spaces 18, 1987 685-690
- Lingappaiah, G. S. Bayes approach to perdition in samples from gamma population when outliers are present 20, 1989 858-870; Variable sample size and inference in samples from Gamma populations 17, 1986 745-755
- Liu, Z. Q. On some results of periodic point 18, 1987 381-384
- Lyall, V. *See* Kaul, R. N. & Lyall, V.
- Lyall, V. & Suneja, S. K. Decomposition in generalised fractional programming and its optimal dual solution 18, 1987 973-978
- Madhavan, N. S. & Swaminathan, V. An implicit Navier-Stokes solver for two-dimensional transonic shock wave-boundary layer interaction 19, 1988 66-74; Implicit numerical solution of unsteady Euler equations for transonic flows 17, 1986 1164-1174
- Madhekar, H. C. *See* Thakare, N. K. & Madhekar, H. C.
- Madhekar, H. C. & Chamle, V. T. A note on some results involving basic hypergeometric functions 21, 1990 55-61
- Madhekar, H. C. & Thakare, N. K. Multilateral generating functions for biorthogonal polynomials suggested by the Jacobi polynomials 15, 1984 161-170; Multilinear generating functions for Jacobi polynomials and for their two-variable generalizations 13, 1982 711-716; On obtaining multilateral generating functions 15, 1984 149-160
- Mahalakshmi, C. V. & Devanathan, R. Laminar forced free convection in horizontal tubes of varying cross-section at low rayleigh numbers 13, 1982 946-958

- Mahalanabis, R. K. & Chakrabarti, A. K.** On an external thermal crack problem in a transversely isotropic elastic medium 13, 1982 1393-1408
- Mahalanabis, R. K. & Manna, J.** Eigen value approach to linear micropolar elasticity 20, 1989 1237-1250
- Mahanti, P. K. & Sahney, B. N.** On finite element solution stability of a partial differential equation and for a system of ordinary differential equations 14, 1983 974-979
- Mahapatra, C. K.** See Mishra, A. K., Mahapatra, C. K. & Pradhan, M.
- Mahapatra, P. C.** The non-absolute Riesz summability of Fourier series 14, 1983 449-454
- Mahata, S.** Stress distribution around two equal circular elastic inclusions in an infinite elastic plane subjected to a centre of pressure radiating from a point midway between them 18, 1987 74-82; Stress distribution around two equal circular elastic inclusions in an infinite plate under the action of an isolated force applied at the origin 19, 1988 1115-1129
- Mahesh Kumari.** Unsteady mixed convection laminar boundary - layer flow over a vertical plate in micropolar fluids 19, 1988 488-501
- Mahmoud, F. S.** See Mashhour, A. S., Allam, A. A., Mahmoud, F. S. & Khedr, F. H.
- Mai, G. D.** A separation axiom weaker than  $R_0$  16, 1985 373-375
- Maio, G. D. & Noiri, T.** On s-closed spaces 18, 1987 226-233
- Maiti, M.** See Babu, A. C. & Maiti, M
- Maiti, M. & Babu, A. C.** On subsequential limit points of a sequence of iterates-III 18, 1987 432-437
- Maiti, M. & De, S. K.** Dislocation of layers and generalized hertz problems 14, 1983 489-496
- Maiti, M. & Ghosh, M. K.** A fixed point theorem for commuting maps 15, 1984 121-122
- Maiti, M. & Paramguru, R.** On the opening of a crack in rocks 14, 1983 1131-1136
- Maiti, M. K.** See Seth, G. S. & Maiti, M K.
- Maiti, V.** See Handa, B. R. & Maiti, V
- Majhi, S. N.** See Vasudevaiah, M. & Majhi, S. N.
- Majumdar, A. K.** See Debnath, K D., Majumdar, A K. & Ghosh, A.
- Majumdar, M.** Effect of couple-stress on stress-concentrations around an elliptic hole within an elastic solid 13, 1982 1526-1536
- Majumder, T. K.** Proximity carrier 16, 1985 965-974
- Maki, H., Umehara, J. & Yamamura, K.** Characterization of T-spaces using generalized V-sets 19, 1988 634-640
- Malakar, S.** See Mukherjee, M. N., Banerjee, G. K. & Malakar, S.
- Malgonde, S. P. & Saxena, R. K.** Some Abelian theorems for the distributional H-transformations 15, 1984 365-370
- Manchanda, P.** See Singh, S. & Manchanda,

- P.
- Mandal, A. K. & Chakrobarty, D. K.** The effect of two unequal circular cavities on the stress distribution in an infinite plate subjected to an isolated force applied at the origin 21, 1990 475-484
- Mandal, B. M.** Singular integral equation of the first kind with a Cauchy Kernel - Revisited 17, 1986 1340-1344
- Mandal, B. N. & Goswami, S. K.** A note on a singular Integral equation 14, 1983 1352-1356
- Mandal, B. N. & Kundu, K.** A cylindrical wave-maker in liquid of finite depth with an inertial surface 20, 1989 505-512
- Mandal, B. N. & Kundu, K.** A note on a queueing model with arrival rate depending upon the nature of service 16, 1985 843-852; Fundamental singularities in the theory of water waves with an inertial surface in the presence of surface tension 18, 1987 83-90
- Mandal, G.** See Mandal, K. K., Choudhury, G. & Mandal, G.
- Mandal, K. K., Choudhury, G. & Mandal, G.** Effect of radiation on dispersion of a solute in an MHD flow through a vertical channel using Taylor model 14, 1983 1510-1518
- Mandal, S. C. & Ghosh, M. L.** Moving punch on a viscoelastic semi-infinite medium 21, 1990 847-866
- Mani, L.** See Sharma, R. K. & Mani, L.
- Manjini, R.** See Padmanabhan, K. S. & Manjini, R.
- Manjini, R.** See Padmnabhan, K. S. & Manjini, R.
- Mann, K. K. & Deshwal, P. S.** Rayleigh wave scattering by a plane barrier in a shallow ocean 17, 1986 1056-1066
- Manna, J.** See Mahalanabis, R. K. & Manna, J.
- Mannepalli, V. L.** See Jayaram, C. & Mannepalli, V. L.
- Manocha, H. L.** See Agarwal, A. K. & Manocha, H. L.
- Manocha, H. L.** See Agarwal, A. K., Bhatia, R. & Manocha, H. L.
- Manocha, H. L. & Sahai, V.** On models of irreducible unitary representations of compact lie group SU(21, 1990) involving special functions 21, 1990 1059-1072
- Mansour, M. A. & Hady, F. M.** Free convection flow on a nonisothermal flat plate as influenced by suction or blowing under nonuniform gravity 17, 1986 1145-1153
- Mansour, M. A., Hassanien, I. A. & Bakier, A. Y.** The influence of lateral mass flux on free convection flow past a vertical flat plate embedded in a saturated porous medium 21, 1990 238-245
- Maqbool, M.** See Sidharth, B. G. & Maqbool, M.
- Maralabhavi, Y. B.** A note on the conformal transformation in a W-recurrent space 16, 1985 365-372
- Marin, J.** See Romaguera, S. & Marin, J.
- Martirosian, V. M.** See Cocharian, H. S. & Martirosian, V. M.



- Marwah, S. *See* Arora, S. C., Anand, S. & Marwah, S.
- Marwaha, A. *See* Dayal, S. & Marwaha, A
- Mashhour, A. S. & Ghanim, M. H. On closure spaces 14, 1983 680-691
- Mashhour, A. S., Allam, A. A., Mahmoud, F. S. & Khedr, F. H. On supratopological spaces 14, 1983 502-510
- Mashhour, A. S., Hasanein, I. A. & Abd El-Monsef, M. E. Remarks on nearly compact spaces 12, 1981 685-690
- Mashhour, A. S., Hasanein, I. A. & El-Deeb, S. N. A note on semi-continuity and precontinuity 13, 1982 1119-1123
- Mashhour, A. S., Khedr, F. H. & Abd El-Bakkey, S. A. On supra- $R_0$  and supra- $R_1$  spaces 16, 1985 1300-1306
- Massa, S., Roux, D. & Singh, S. P. Fixed point theorems for multifunctions 18, 1987 512-514
- Massalas, C. V. *See* Raptis, A. A., Kafousias, N. G., Massalas, C. V. & Tzivanidis, G. J.
- Matharoo, A. S. *See* Sinha, B. B. & Matharoo, A. S.
- Mathew, P. M. On hyperconnected spaces 19, 1988 1180-1184
- Mathews, J. L. R. & Nath, G. Unsteady rotating flow over an infinite rotating disk with an applied magnetic field 15, 1984 279-288
- Mathur, B. L. A general integral relation for the multivariable H-function with applications 18, 1987 938-940; Some results concerning a special function of several complex variables 12, 1981 1001-1006
- Mathur, R. *See* Munot, P. C. & Mathur, R.
- Mathur, S. B. *See* Kapoor, O. P. & Mathur, S. B.
- Matsumoto, K. On infinitesimal projective variations of a P-Sasakian hypersurface in a locally product Riemannian manifold 13, 1982 111-120
- Maugin, G. A. *See* Chattopadhyay, A. & Maugin, G. A
- Mavraganis, A. G. & Pangalos, C. A. Parametric variation of the Magnetic-binary problem 14, 1983 297-306
- Maxsein, T. A note on a generalization of Euler's  $\phi$ -function 21, 1990 691-694
- Mazumdar, H. P. *See* Chakraborty, A. K. & Mazumdar, H. P.
- Meade, B. A. *See* Watson, B., Meade, B. A. & Norris, C. W.
- Meena Rani. *See* Agarwal, R. S. & Meena Rani
- Megahed, A. A. Unsteady MHD flow through porous medium bounded by a porous plate 15, 1984 1140-1147
- Mehata, K. M. Interconnected populations processes with family migration and emigration 18, 1987 577-593
- Mehra, A. L. & Gokhroo, M. K. A class of exact solutions of static charged spheres in general relativity 17, 1986 1073-1080

- Mehra, M.** See Bhatnagar, K. B. & Mehra, M.
- Mehri, B.** Periodic solution for certain nonlinear second-order autonomous differential equation 12, 1981 681-684; Periodic solution for certain nonlinear third order differential equation 21, 1990 203-210
- Mehrook, B. S.** See Goel, R. M. & Mehrook, B. S.
- Mehta, D. M.** See Gaur, Y. N. & Mehta, D. M.
- Mehta, G.** Maximal elements in Banach spaces 20, 1989 690-697; Ordered topological spaces and the theorems of Debru and Peleg 14, 1983 1174-1182
- Mehta, G. P.** See Deshpande, J. V. & Mehta, G. P.
- Mehta, G. P.** See Gill, A. N. & Mehta, G. P.
- Mehta, G. P.** Selection procedures for nonparametric families of probability distributions 13, 1982 522-527
- Mehta, H. S. & Mehta, R. D.** On Bishop, Silov and antialgebraic decompositions 20, 1989 1107-1114
- Mehta, R. D.** See Mehta, H. S. & Mehta, R. D.
- Mehta, R. D. & Vasavada, M. H.** A note on automorphism of Tensor product of Banach algebras 16, 1985 13-16
- Mehta, Y. K. & Saha, L. M.** On finite strain theory for elastic-inelastic bodies 12, 1981 758-763
- Mendez, J. M.** The modified Dini's series and the finite Hankel-Schwartz integral transformation 19, 1988 1089-1100
- Metha, G.** On the theorems of Peleg 15, 1984 1072-1074
- Michael, F. H.** Existence of solutions of quasilinear elliptic equations in  $R^n$  17, 1986 497-503
- Mikhail, I. F. I.** The dispersion relation for the propagation of high frequency thermal waves in dielectrics 12, 1981 1390-1396
- Minarro, A. & Ollier, J. M.** An algorithm for Geodesic coordinates in Riemannian manifolds 21, 1990 707-716
- Miron, R.** Subspaces in Hamilton spaces 21, 1990 211-233
- Mishra, A. K.** On some subclasses of univalent functions represented by integral 13, 1982 247-252
- Mishra, A. K. & Sahu, P.** Convex hulls and extreme points of some families of multivalent functions 19, 1988 865-874; Extreme points of some families of analytic functions related to univalent functions 20, 1989 820-828
- Mishra, A. K., Mahapatra, C. K. & Pradhan, M.** Convex hulls and extreme points of classes of multivalent functions defined by gap power series 15, 1984 889-898
- Mishra, J. J.** See Bansal, J. L., Mishra, J. J. & Kushwaha, R. S.
- Mishra, J. J., Bansal, J. L. & Jat, R. N.** MHD swirling jet which originates from a circular slit 19, 1988 1136-1148

- Mishra, K. N. On the absolute Nvrlund summability factors of infinite series 14, 1983 40-43
- Mishra, K. N. & Srivastava, R. S. L. On  $(N, p_n)$  summability factors on infinite series 15, 1984 651-656; The A-summability of Jacobi series by a class of regular matrix methods 14, 1983 307-313
- Mishra, M. N. & Acharya, S. K. On normalization in the law of the iterated logarithm for diffusion processes 14, 1983 1335-1342
- Mishra, R. B. See Singh, H. P. & Mishra, R. B.
- Mishra, R. B. See Thakur, C. & Mishra, R. B.
- Mishra, R. K., Srivastava, A., Bhaumik, K. & Chaudhary, S. S. ACTH and regulation of adrenocortical secretion: A mathematical model 13, 1982 1503-1512
- Mishra, R. S. A note on curvature tensor in three-manifold 16, 1985 1455-1464; On K-contact Riemannian and sasakian manifolds 13, 1982 537-544
- Mishra, R. S., Pandey, S. B. & Sharma, U. Pseudo H-projective  $n$ -recurrent manifold with KH-structure 17, 1986 1187-1195
- Mishra, S. Integrals involving Legendre function, generalized hypergeometric series and Fox's  $H$ -function, and Fourier-Legendre series for products of generalized hypergeometric functions 21, 1990 805-812
- Mishra, S. B. & Singh, H. C. On a neo-recurrent  $F_n^*$  16, 1985 232-242
- Mishra, S. N. Fixed points of contractive type multivalued mappings 18, 1987 283-289, On some fixed points of multimappings in uniform spaces 13, 1982 606-608
- Mishra, S. N. Wong's fixed point theorems 12, 1981 671-676
- Misra, A. K. See Misra, S. B. & Misra, A. K.
- Misra, J. K. See Singh, P., Misra, J. K. & Narayan, K. A.
- Misra, P. C. & Das, A. K. Stress distribution in an anisotropic elliptic ring compressed along the major axis 14, 1983 1209-1216
- Misra, S. See Mohapatra, P. & Misra, S.
- Misra, S. B. & Anand Kumar. The special projective tensor fields (with 2-recurrent and special quasi symmetric properties) in non symmetric Finsler space  $F_n^*$  13, 1982 1011-1017
- Misra, S. B. & Misra, A. K. Affine motion in RNP-finsler space 15, 1984 463-472; Ricci identities in a non-holonomic subspace 14, 1983 883-891
- Misra, S. K. See Sanyal, A. & Misra, S. K.
- Misra, S. L. See Das, G. & Misra, S. L.
- Mital, P. See Bhutani, O. P. & Mital, P.
- Mitra, B. Orthogonality conditions for the tensor product representations of the  $spl(2, 1)$  superalgebra 18, 1987 302-321; The cohomology of the  $spl(2, 1)$  superalgebra and reducibility of its indecomposable constituents 16, 1985 1267-1299

- Mitra, B. & Tripathy, K. C. Cohomology and reducibility of representations of semisimple  $T$ -graded Lie algebras 19, 1988 333-352
- Mittal, J. P. & Sidhu, R. S. Generation of SH waves from a nonuniformly moving stress discontinuity in a layered half spaces 13, 1982 682-695
- Mittal, M. L., Prasad, G. & Kumar, N. On multipliers for the absolute matrix summability 19, 1988 183-193
- Mittal, R. C. & Gahlaut, S. A boundary integral formulation for Poisson's equation in polar coordinates 18, 1987 965-972
- Modi, G. C. See Saxena, R. K. & Modi, G. C.
- Mohamed Essa, M. See Sirajudeen, S. M. & Mohamed Essa, M.
- Mohan, C. & Al-Bayaty, A. R. Power series solutions of composite polytropic models 13, 1982 551-559
- Mohan, C. & Saxena, R. M. Use of variational approach in determining the periods of small adiabatic oscillations of rotationally and tidally distorted polytropic gaseous spheres 17, 1986 414-428; Use of variational principle in the study of the effects of rotational and tidal distortions on the periods of small oscillations of gaseous spheres 15, 1984 497-508
- Mohan, N. See Deshwal, P. S. & Mohan, N.
- Mohan, N. & Deshwal, P. S. Scattering of a compressional wave at the corner of a quarter space 20, 1989 386-394
- Mohan, N. L. See Anand Babu, L., Mohan, N. L., Sundararajan, N. & Sesoagiri Rao, S. V.
- Mohan, R. N. On the dual of a PBIB design 14, 1983 13-17
- Mohan, R. N. & Kageyama, S. A note on pairwise balanced and partially balanced designs 18, 1987 871-875
- Mohan, S. R. Some comments on a paper by Karade and Kumbhare entitled: "Alternative approach to the simplex method" 12, 1981 1080-1081
- Mohanty, G. & Panigrahi, U. K. A class of solutions of Einstein-Maxwell and scalar field equations with a self gravitating stiff perfect fluid 17, 1986 1424-1431
- Mohanty, P. C. See Sukla, I. & Mohanty, P. C.
- Mohanty, S. K. See Das, G. & Mohanty, S. K.
- Mohanty, S. P. See Bhattacharya, B. B. & Mohanty, S. P.
- Mohanty, S. P. & Ramasamy, A. M. S. A note on a paper by Jingcheng tong 14, 1983 291-292; The simultaneous diophantine equations  $x^2 + x + 1 = 3z$ ,  $y^2 + y + 1 = 3z^2$  and a generalisation of a theorem of a brauer 14, 1983 427-430
- Mohapatra, P. & Misra, S. Thermal instability of a heterogeneous rotating fluid layer with free boundaries 15, 1984 263-278
- Mohapatra, R. B. & Parhi, H. K. Distribution of stresses around a penny shaped crack in a transversely isotropic semi-infinite medium 12, 1981 129-143

- Mohapatra, R. N.** Absolute Cesaro summability of successively derived series of a Fourier series of functions of class  $L_p(p > 1)$  12, 1981 1250-1259
- Moharir, S. K. & Saxena, R. K.** A new multivariate probability density function 14, 1983 806-810
- Mokaddis, G. S.** A generalized age-dependent branching process and its limit distribution 16, 1985 1399-1406; Maximum likelihood estimation from a truncated life-testing procedure 14, 1983 355-361
- Mokaddis, G. S. & Zaki, S. S.** The problem of the queueing system  $M/M/1$  with additional servers for a longer queue 14, 1983 345-354
- Mond, B. & Parida, J.** On solvability of the complex linear complementarity problem 15, 1984 962-967
- Mondal, C. R.** Waves due to a moving oscillatory surface pressure in a layered fluid of finite depth 18, 1987 953-964
- Mondal, N. C.** Free torsional vibration of a nonhomogeneous semiinfinite solid circular cylinder 20, 1989 89-97
- Mondal, S. G.** On the propagation of a thermoelastic wave at a thin infinite plate immersed in an infinite liquid with thermal relaxation 14, 1983 185-193
- Monoranjanjas & Baisnab, A. P.** Bitopological spaces and associated  $Q$ -proximity 13, 1982 1142-1146
- Moore, C.** Iterative approximation of the solution to a  $K$ -accretive operator equation in certain Banach spaces 21, 1990 1087-1094
- More, S. V.** Abelian theorems for one sided Laplace Hardy transformations 18, 1987 50-54
- More, S. V.** See Ahirrao, B. R. & More, S. V.
- Morera, J. L.** See Joadar, L., Morera, J. L. & Navarro, E.
- Morsy, M. W., Aly, Samia S. & Shaker, M. O.** Adjointness of partial differential operator in curvilinear coordinates 13, 1982 1-7
- Mosleh, K. M.** See Bassali, W. A., Anwar, M. N. Y. & Mosleh, K. M.
- Mostafa, F. E.** See El-Gendy, M. A. & Mostafa, F. E.
- Mrsesevic, M.** On Quasi-proximity spaces 14, 1983 511-514
- Mukherjee, A.** Nonstationary law of heat conduction in classical thermoelastic solid 20, 1989 834-839
- Mukherjee, A. & Guha, S.** On generalized Stiefel manifolds 17, 1986 890-894
- Mukherjee, M. K.** A note on completeness of bounded lattices postulated in some axiomatics of the mathematical foundations of quantum theory 12, 1981 677-680
- Mukherjee, M. N.** Pairwise semi-connectedness in bitopological spaces 14, 1983 1166-1173; Pairwise set-connected mappings in bitopological spaces 17, 1986 1106-1113
- Mukherjee, M. N., Banerjee, G. K. & Malakar, S.** Bitopological QHC spaces 21, 1990 639-648
- Mukherjee, R. N.** Common fixed points of

- some nonlinear mappings 12, 1981 930-933. On some fixed point theorems on Hausdorff, Metric and Banach spaces 13, 1982 1413-1416
- Mukherjee, R. N. See Chaudhuri, A. K. & Mukherjee, R. N.
- Mukherjee, R. N. See Chaudhuri, A. K., Lahuri, J. & Mukherjee, R. N.
- Mukherjee, R. N. See Nath, B., Lal, S. N. & Mukherjee, R. N.
- Mukherjee, R. N. See Prasad, S. & Mukherjee, R. N.
- Mukherjee, R. N. See Prasad, S., Mukherjee, R. N. & Som, T.
- Mukherjee, R. N. See Singh, A. N. & Mukherjee, R. N.; also see Som, T. & Mukherjee, R. N.; also see Yadav, S. R. & Mukherjee, R. N.; also see Yadav, S. R. & Mukherjee, R. N.; also see Yadav, S. R., Prasad, S. & Mukherjee, R. N.
- Mukherjee, R. N. Some random fixed point theorems for multivalued and single-valued mappings 13, 1982 429-432
- Mukherjee, R. N. & Raghwendra. Some results on stability of differential systems with impulsive perturbations 20, 1989 446-454
- Mukherjee, R. N. & Singh, A. K. Multi-objective optimization involving non-convex semi-differentiable functions 21, 1990 326-329
- Mukherjee, R. N. & Som, T. A fixed point theorem in generalized Hilbert space 14, 1983 930-934; A generalization of a fixed point theorem of Jaggi 14, 1983 572-574; A note on an application of a fixed point theorem in approximation theory 16, 1985 243-244; Construction of fixed points of strictly-pseudo contractive mappings in a generalized Hilbert space and related applications 15, 1984 1183-1189; On some fixed point theorems for generalized multi-valued mappings 14, 1983 1506-1509
- Mukherjee, R. N. & Verma, H. L. Iterative methods of solutions for linear and quasi linear complementarity problems 20, 1989 1191-1196
- Mukherjee, S. See Mukherjee, S. & Mukherjee, S.
- Mukherjee, S. & Mukherjee, S. Unsteady axisymmetric rotational flow of elastico-viscous liquid 14, 1983 1534-1541
- Mukherjee, S. M. Time-dependent information 13, 1982 622-632
- Mukunda, N., Simon, R. & Sudarshan, E. C. G. On the orbits in the Lie algebras of some (Pseudo) orthogonal groups 19, 1988 91-124
- Munot, P. C. & Mathur, R. Certain integral relations for the multivariable H-function 14, 1983 955-964; On a multilateral generating function for the extended Jacobi polynomials 13, 1982 597-600; Some multiple-series extensions of the multivariable generating functions of Srivastava 15, 1984 998-1003
- Munot, P. C. & Padmanabham, P. A. Integrals involving the generalized Lauricella function 12, 1981 388-392; On a generalized integral transform-II 12, 1981 1235-1239

- Munshi, B. M. & Bassan, D. S. Super-continuous mappings 13, 1982 229-236
- Muralidharan, S. On a class of orbit closures with unique minimal sets 17, 1986 1196-1206
- Murge, M. G. & Pachpatte, B.G. Successive approximation for solutions of second order Stochastic integrodifferential equations of Ito type 21, 1990 260-274
- Mursaleen. See Choudhaary, B. & Mursaleen
- Murty, C. V. L. N. See Reddy, Y. V. & Murty, C. V. L. N.
- Murty, G. S. R. C. & Rao, R. S. R. C. On M-void integers 12, 1981 31-40
- Murty, K. N. See Rao, D. R. K. S., Murty, K. N. & Murty, M. S. N.
- Murty, K. N. See Rao, D. R. K. S., Murty, K. N. & Rao, A. S.
- Murty, M. R. & Murty, V. K. An analogue of the Erdos-Kac theorem for Fourier coefficients of modular forms 15, 1984 1090-1101
- Murty, M. S. N. See Rao, D. R. K. S., Murty, K. N. & Murty, M. S. N.
- Murty, V. K. See Murty, M. R. & Murty, V. K.
- Mushtaq, Q. Coset diagrams for an action of the extended modular group on the projective line over a finite field 20, 1989 747-754; The extended modular group acting on the projective line over a Galois field 20, 1989 755-760
- Nagaraj, M. See Bharathi, K. & Nagaraj, M.
- Nagaraj, M. See Srurma Devi, C. D., Nagaraj, M. & Nath, G.
- Nagaraj, M. & Prabhakara, R. V. Integrability conditions in cylindrically symmetric non-static Einstein-Rosen space-times 13, 1982 1192-1199
- Nagaraj, M. & Srinivasa, B. R. Note on space-time which admit Isothermal-Kruskal transformations 13, 1982 966-972
- Naidu, K. B. See Sankarasubramanian, K. & Naidu, K. B.
- Naidu, S. V. R. See Sastry, K. P. R. & Naidu, S. V. R.
- Naidu, S. V. R. See Sastry, K. P. R., Naidu, S. V. R. & Ravi Kishore, M. V. K.
- Naidu, S. V. R. See Sastry, K. P. R., Naidu, S. V. R., Rao, I. H. N. & Rao, K. P. R.
- Naidu, S. V. R. & Prasad, J. R. Common fixed points for four self-maps on a metric space 16, 1985 1089-1103; Fixed point theorems for set-valued maps on a metric space 17, 1986 286-307; Fixed point theorems in 2-metric spaces 17, 1986 974-993; Fixed point theorems in metric, 2-metric and normed linear spaces 17, 1986 602-612; Ishikawa iterates for a pair of maps 17, 1986 193-200
- Naidu, S. V. R. & Rao, K. P. R. Fixed point and coincidence point theorems 19, 1988 255-268
- Naik, K. V. Fixed point theorems for operators on Banach space 12, 1981 312-316; Remarks on two theorems of Petryshyn and Williamson 12, 1981 317-318

- Nair, M. T. Computable error estimates for Newton's iterations for refining invariant subspaces 21, 1990 1049-1054
- Namboodripad, K. S. S. & Chettiar, S. R. Essential-normal extensions of regular semigroups 16, 1985 37-44
- Nanda, S. Matrix transformations in some sequence spaces 20, 1989 707-710; Nonlinear complementary problem of mathematical programming in Banach space 18, 1987 215-218
- Nanda, S. See Das, G. & Nanda, S.
- Nanda, S., Srivastava, P. D. & Nayak, K. C. Certain subspaces of a Frechet space 12, 1981 971-976
- Nandan, K. & Srivastava, R. S. L. On the type of analytic Dirichlet series of fast growth 13, 1982 58-66
- Nandi, K. K. & Ghosal, T. K. On the precession of the Perihelion of Mercury 18, 1987 194-200
- Nanjunda Rao, S. See Bhargava, S. & Nanjunda Rao, S.
- Naoum, R. S. See Pai, D. V. & Naoum, R. S.
- Narain, D. Hypersurfaces with  $(f, g, u, v, \lambda)$ -structure of an affinely cosymplectic manifold 20, 1989 799-803
- Narain, K., Singh, V. B. & Lal, M. Triple series equations involving generalized Bateman  $k$ -functions 15, 1984 435-440
- Narain, P. The evolutionary dynamics of quantitative characters 19, 1988 125-144
- Narain, S. See Roy, S. R. & Narain, S.
- Narang, T. D. A remark on a note on the semi continuity properties of the farthest point map 13, 1982 1283-1284; On proximal pairs 15, 1984 251-254
- Narang, T. D. & Garg, S. K. Best approximation in ultrametric spaces 13, 1982 727-731
- Narang, T. D. & Khanna, S. On best and best simultaneous approximation 13, 1982 643-646; On some approximation problems in metric linear spaces 14, 1983 253-256
- Narasimhan, R. See Paul, H. S. & Narasimhan, R.
- Narayan, K. A. See Singh, P, Misra, J. K. & Narayan, K. A.
- Narayana, N. V. Unsteady hydromagnetic flow of fluid with microstructure between parallel plates 14, 1983 129-145
- Singh, B. & Lal, J. The numerical and exact solutions of MHD flow through a pipe whose section is a sector 14, 1983 146-158
- Nasim, C. An integral equation involving Fox's  $H$ function 13, 1982 1149-1162; Associated Weber integral transforms of arbitrary orders 20, 1989 1126-1138
- Nasim, C. See Sun, J. & Nasim, C.
- Nasim, C. & Aggarwala, B. D. On some dual integral equations 15, 1984 323-340
- Nasir, M. Y. & Ilyas, M. Propagation of Alfven waves in a real magneto-hydrodynamic fluid 20, 1989 944-952



- Natarajan, P. N.** Continuous duals of certain sequence spaces and the related matrix transformations over non-Archimedean fields 21, 1990 82-87
- Nath, B., Lal, S. N. & Mukherjee, R. N.** A generalized non-linear complementarity problem in semi-inner product space 21, 1990 140-143
- Nath, G.** See Krishnaswamy, R. & Nath, G.
- Nath, G.** See Kumar, M. & Nath, G.
- Nath, G.** See Kumari, M. & Nath, G.
- Nath, G.** See Mathews, J. L. R. & Nath, G.
- Nath, G.** See Surma Devi, C. D., Nagaraj, M. & Nath, G.
- Nath, G.** See Surma Devi, C. D. & Nath, G.
- Nath, G.** See Surma Devi, C. D., Takhar, H. S. & Nath, G.
- Nath, P. & Singh, R.** An equivalence theorem concerning symmetry recursivity and cyclic symmetry 17, 1986 21-25
- Nautiyal, A.** On the coefficients of analytic Dirichlet series of fast growth 15, 1984 1102-1114; On the growth of an analytic function represented by Dirichlet series 12, 1981 1224-1234; On the growth of entire solutions of generalized axially symmetric Helmholtz equation 14, 1983 718-721
- Nautiyal, A.** See Kapoor, G. P. & Nautiyal, A.
- Nautiyal, A. & Doherey, R. P.** On the proximate order of an analytic function represented by Dirichlet series 13, 1982 1427-1432
- Nautiyal, A. & Kapoor, G. P.** On the generalised orders of an entire function of slow growth 13, 1982 1246-1252
- Nautiyal, A. & Shukla, D. P.** On the approximation of an analytic function by exponential polynomials 14, 1983 722-727
- Navarro, E.** See Joadar, L., Morera, J. L. & Navarro, E.
- Nayak, K. C.** See Nanda, S., Srivastava, P. D. & Nayak, K. C.
- Nayar, B. M.** Continued fractions and certain computational schemes 14, 1983 1253-1277; Continued fractions and certain functional equations 17, 1986 384-413; Induced potential problem in three dimensions-III (Mixed boundary conditions) 12, 1981 1171-1186; Neumann function for the sphere-I 12, 1981 1266-1282; Neumann function for the sphere-II 12, 1981 1283-1292
- Neeralagi, P. S.** See Sampathkumar, E. & Neeralagi, P. S.
- Newal Kishore, Tejpal, S. & Katiyar, H. K.** On Unsteady MHD flow through two parallel porous flat plates 12, 1981 1372-1379
- Nieminen, J.** A characterization of median graphs 15, 1984 727-730; Height and semimodularity in finite 0, 1-posets 18, 1987 27-31; The structure on finite 0, 1-posets 16, 1985 1425-1431
- Niknam, A.** Continuity of the Farthest point map 18, 1987 630-632; On

- uniquely remotal sets 15, 1984 1079-1083
- Nirmala Devi. *See* Singh, S. N. & Nirmala Devi
- Noble, R. D. *See* Buschman, R. G. & Noble, R. D.
- Noiri, T. & Kang, S. M. On almost strongly  $\tau$ -continuous functions 15, 1984 15, 1984-8
- Noiri, T. Characterisations of extremally disconnected spaces 19, 1988 325-329; On  $\theta$ -semi-continuous functions 21, 1990 410-415
- Noiri, T. On almost continuous functions 20, 1989 571-576
- Noiri, T. *See* Cammaroto, F. & Noiri, T.
- Noiri, T. *See* Maio, G. D. & Noiri, T.
- Noiri, T. Super-continuity and some strong forms of continuity 15, 1984 241-250
- Norris, C. W. *See* Watson, B., Meade, B. A. & Norris, C. W.
- Nour, T. M. *See* Arya, S. P. & Nour, T. M.
- Nowak, W. G. On an error term involving the Totient function 20, 1989 537-542
- Nunokawa, M. On the multivalent functions 20, 1989 577-582
- Nunokawa, M. & Owa, S. On certain subclass of analytic functions 19, 1988 51-54
- Ojha, R. H. M-projectively flat Sasakian manifolds 17, 1986 481-484
- Ojha, R. H. & Prasad, S. Semi-symmetric metric S-connection in a Sasakian manifold 16, 1985 341-344
- Ollier, J. M. *See* Minarro, A. & Ollier, J. M.
- Onwuatu, J. U. On controllability of nonlinear systems with distributed delays in the control 20, 1989 213-228
- Onyango-Otieno, V. P. Laguerre polynomials and singular differential operators 18, 1987 515-535
- Orhan, C. & Sarigol, M. A. On  $F$ -absolutely translatable summability methods 20, 1989 893-898
- Owa, S. On a new criteria for  $p$ -valent functions 13, 1982 920-930; On the starlike functions of order  $\alpha$  and type  $\beta$ -II 14, 1983 18-31
- Owa, S. *See* Nunokawa, M. & Owa, S.
- Owa, S. *See* Yulin, Z. & Owa, S.
- Vzer, O. On almost strongly ( $\tau$ -upper semicontinuous multifunctions 17, 1986 61-65
- Pachpatte, B. G. A generalization of an inequality of Hardy 21, 1990 617-620; A note on Lyapunov type inequalities 21, 1990 45-49; Common fixed points of two mappings satisfying a new contractive type condition 14, 1983 497-501; On a class of nonlinear higher order differential equations 20, 1989 121-128; On higher order hyperbolic partial differential equations 21, 1990 897-904; On mixed volterra-fredholm type integral equations 17, 1986 488-496; On some new discrete inequalities in two independent variables 20, 1989 1197-1212; On the asymptotic regularity of certain mappings in a banach space 13, 1982 620-621

- Pachpatte, B. G.** See Dhakne, M. B. & Pachpatte, B. G.
- Pachpatte, B. G.** See Khan, P. M. D. & Pachpatte, B. G.
- Pachpatte, B. G.** See Singare, V. M. & Pachpatte, B. G.
- Pachpatte, B.G.** See Murge, M. G. & Pachpatte, B.G.
- Padhi, T. C.** See Hotta, G. C. & Padhi, T. C.
- Padhy, S.** See Acharya, B. P. & Padhy, S.
- Padma, K.** See Karunakaran, V. & Padma, K.
- Padmanabham, P. A.** See Munot, P. C. & Padmanabham, P. A.
- Padmanabhan, K. S.** See Reddy, G. L. & Padmanabhan, K. S.
- Padmanabhan, K. S. & Ganesan, M. S.** Convolution conditions for certain classes of analytic functions 15, 1984 777-780; Convolutions of certain classes of univalent functions with negative coefficients 19, 1988 880-889
- Padmanabhan, K. S. & Jayamala, M.** Fixed coefficients for subclasses of star-like functions 21, 1990 366-378
- Padmanabhan, K. S. & Manjini, R.** Certain classes of analytic functions with negative coefficients 17, 1986 1210-1223
- Padmanabhan, N.** Swirling flow of a fluid in a straight tube 15, 1984 943-950
- Padmanabhan, N. & Devanathan, R.** Low reynolds number steady flow in a curved tube of varying cross-section 15, 1984 417-430
- Padmavathamma.** Restricted generalised Frobenius partitions 19, 1988 11-16
- Padmnabhan, K. S. & Manjini, R.** Certain classes of analytic functions with negative coefficients-II 18, 1987 159-172
- Pai, D. V.** See Govindarajulu, P. & Pai, D. V.
- Pai, D. V.** See Veeramani, P. & Pai, D. V.
- Pai, D. V. & Naoum, R. S.** On some fixed point theorems in uniform spaces 13, 1982 676-681
- Pai, D. V. & Veeramani, P.** Some fixed point theorems for multi-mappings 14, 1983 1157-1165
- Pakkiam, C. & Arumugam S.** On the Graphoidal covering number of a graph 20, 1989 330-333; On graphoidal graphs of a tree 21, 1990 1055-1058
- Pal, A. K.** Reflection and refraction of plane harmonic shear waves at a solid-sandy bilateral interface 15, 1984 43-58
- Pal, A. K.** See Chattopadhyay, A., Pal, A. K. & Kushwaha, V.
- Pal, A. K.** See Datta, T. K. & Pal, A. K.
- Pal, A. K.** Some comments on a paper by Karade and Kumbhare entitled: "Alternative approach to the simplex method" 12, 1981 1082-1087
- Pal, P. C.** The dispersion and attenuation of love type surface waves in a frictionally bonded transversely isotropic elastic media 14, 1983 757-766

- Pal, P. K.** Limiting amplitudes for forced oscillations in a rotating compressible fluid 14, 1983 671-679, Stabilisation of the solution for a system of rotating compressible fluid 14, 1983 108-114
- Pal Roy, P.** See Dey, S. & Pal Roy, P.
- Pal, S. C. & Ghosh, M. L.** High frequently scattering of antiplane shear waves 21, 1990 1107-1124; Waves in a semi-infinite elastic medium due to an expanding elliptic ring source on the free surface 18, 1987 648-674
- Palaiya, R. M.** See Srivastava, K. N., Palaiya, R. M. & Karaulia, D. S.
- Palekar, M. G. & Sarma, D. P.** Approximate solutions of the boundary layer equations with suction and blowing 15, 1984 671-680
- Paliwal, D. K.** See Dixit, V. N. & Paliwal, D. K.
- Panda, B. B.** On farthest point problem 19, 1988 277-283
- Panda, B. B. & Dwivedi, K.** On existence of farthest points 16, 1985 486-490
- Panda, K. C.** See Das, G. & Panda, K. C.
- Panda, K. C.** See Das, G., Panda, K. C. & Sahoo, S.
- Pande, R. K.** A fixed point theorem for densifying mappings in complete metric space 21, 1990 347-349
- Pandey, B. N.** On the summability of Jacobi series by  $(N, q_n)$ -method 12, 1981 1438-1447
- Pandey, H. B.** Certesian product of two manifolds 12, 1981 55-60
- Pandey, H. B.** On almost product hypersurfaces 16, 1985 1-7
- Pandey, H. B. & Kumar, A.** Anti invariant submanifolds of almost para contact manifolds 16, 1985 586-590
- Pandey, H. S.** See Pandey, S. N., Pandey, H. S. & Tiwari, R.
- Pandey, H. S.** See Shri Ram & Pandey, H. S.
- Pandey, P.** See Khanna, I. K. & Pandey, P.
- Pandey, R. N.** Abelian theorems for Kontorovich-Lebedev transformations 21, 1990 737-740
- Pandey, R. N.** See Rai, K. N. & Pandey, R. N.
- Pandey, S. B.** See Mishra, R. S., Pandey, S. B. & Sharma, U.
- Pandey, S. N. & Tiwari, R.** Conformally flat spherically symmetric charged perfect fluid distribution in general relativity 12, 1981 261-264
- Pandey, S. N., Gupta, Y. K. & Sharma, S. P.** Spherically symmetric conformally flat perfect fluid distributions of Class-I 14, 1983 79-84
- Pandey, S. N., Pandey, H. S. & Tiwari, R.** Some perfect fluid spheres with non-zero spin density 13, 1982 88-95
- Pandey, S. S.** Transfer of heat in a prolate spheroidal shell 21, 1990 176-181
- Pandey, T. N. & Shukla, S. N.**  $C^p$ -symmetric Finsler spaces 16, 1985 8-12
- Pandeya, B. M.** See Tiwary, A. K., Pandeya, B. M. & Regmi, D. D. S.

- Pandeya, B. M., Paramhans, S. A. & Koirala, S. P.** Variants of Hopfity in modules 20, 1989 786-789
- Pandya, B.** *See* Patel, L. K. & Pandya, B.
- Pangalos, C. A.** *See* Mavraganis, A. G. & Pangalos, C. A.
- Panigrahi, U. K.** *See* Mohanty, G. & Panigrahi, U. K.
- Panja, C. & Baisnab, A. P.** fixed point theorems for mappings in a uniform space with a contractive iterate 12, 1981 440-447
- Pant, R. P.** Common fixed points of two pairs of commuting mappings 17, 1986 187-192
- Panwar, O. S.** *See* Dube, K. K. & Panwar, O. S.
- Papageorgiou, N. S.** Relaxability and well-posedness for infinite dimensional optimal control problems 21, 1990 513-526
- Papageorgiou, N. S.** *See* Flytzanis, E. & Papageorgiou, N. S.
- Papantoniou, B. J.** An investigation of a tensor field on the Grassmannian  $SO(p+2)/SO(p) \times SO(2)$  16, 1985 1104-1116
- Parameswaran, M. R.** On the Endl-type generalization of certain summability methods 20, 1989 698-706
- Paramguru, R.** *See* Maiti, M. & Paramguru, R.
- Paramhans, S. A.** *See* Pandeya, B. M., Paramhans, S. A. & Koirala, S. P.
- Parashar, B. P.** Generalised differences and their applications 16, 1985 637-642;
- On biorthogonal polynomials suggested by the Jacobi polynomials 16, 1985 1132-1137; On generalised exponential euler polynomials 15, 1984 1332-1339
- Parashuram.** Blast wave propagation through reactive gas medium 17, 1986 553-563
- Parhi, H. K.** *See* Mohapatra, R. B. & Parhi, H. K.
- Parhi, H. K.** *See* Ram, D. K. & Parhi, H. K.
- Parhi, N.** Approximate solutions of delay differential equations 17, 1986 678-689
- Parida, D. N.** *See* Rath, R. S. & Parida, D. N.
- Parida, J.** On the minimum of a class of nondifferentiable functions 16, 1985 1439-1445
- Parida, J.** *See* Mond, B. & Parida, J.
- Parida, J. & Roy, K. L.** An existence theorem for the non-linear complementarity problem 13, 1982 615-619
- Parida, J. & Sahoo, M.** A generalised variational inequality involving a gradient 19, 1988 319-324
- Parnami, J. C.** *See* Rishi, D. B., Parnami, J. C. & Rajwade, A. R.
- Parnami, J. C., Agrawal, M. K. & Rajwade, A. R.** A congruence relation between the coefficients of the Jacobi sum 12, 1981 804-806
- Parthasarathy, K.** *See* Tewari, U. B. & Parthasarathy, K.

- Parthasarathy, P. R. & Krishna Kumar, B. Two stochastic analogues of the logistic process 21, 1990 965-970
- Parthasarathy, P. R. & Kumar, B. K. On the number and sum of lifetimes of overraged cells 21, 1990 390-395
- Parvatham, R. On the ritt order of entire functions defined by  $L$ -dirichletian elements 15, 1984 387-396
- Parvatham, R. & Radha, S. On  $\alpha$ -starlike and  $\alpha$ -close-to-convex functions with respect to  $n$ -symmetric points 17, 1986 1114-1122
- Parvathy, C. P. & Patil, P. R. Effect of thermal diffusion on thermohaline interleaving in a porous medium due to horizontal gradients 20, 1989 716-727
- Passi, I. B. S. See Gupta, N. D. & Passi, I. B. S.
- Patel, A. B. & Bhatt, S. J. A note on joint norms 15, 1984 1199-1205
- Patel, A. B. & Ramanujan, P. B. On sum and product of normal operators 12, 1981 1213-1218
- Patel, B. K. See Das, G. & Patel, B. K.
- Patel, D. K. See Das, C. & Patel, D. K.
- Patel, J. M. & Sheth, I. H. On intertwining by an operator having a dense range 14, 1983 1077-1082
- Patel, L. K. & Koppar, S. S. Associated Kerr-Newman metric in the cosmological background 18, 1987 260-268
- Patel, L. K. & Pandya, B. A rotating axisymmetric expanding universe with an electromagnetic field 17, 1986 1224-1230
- Patel, L. K. & Yadava, S. R. A rotating mass particle embedded in a Bianchi type IX universe 18, 1987 840-845
- Patel, M. D. Some exact interior solutions of nonstatic axisymmetric space-time Einstein's field equations 13, 1982 507-514
- Patel, R. B. The first non-trivial self-twin in an even base  $k$  21, 1990 320-325
- Patel, S. M. See Gupta, B. C. & Patel, S. M.
- Pathak, H. K. Some fixed point theorems in Banach spaces for commuting mappings 17, 1986 969-973; Some theorems on fixed point in pseudo compact Tichonov 17, 1986 180-186; Weak commuting mappings and fixed points 17, 1986 201-211
- Pathak, H. K. & Dubey, R. P. Extensions of a fixed point theorem of Naimpally and Singh 21, 1990 889-892
- Pathak, R. S. & Paul, A. C. Distributional boundary values in  $(M_M^\Omega)$ -spaces of functions holomorphic in tube domains 20, 1989 1004-1021
- Pathak, R. S. & Sahoo, H. K. Weber transformation of the second kind 17, 1986 1014-1026
- Pathan, M. A. See Qureshi, M. I. & Pathan, M. A.; also see Wali Mohd., Ch., Qureshi, M. I. & Pathan, M. A.
- Pathania, R. C. See Gupta, J. R., Sood, S. K. & Pathania, R. C.
- Pati, K. C. & Tripathy, K. C. Super Kac-Moody algebra: classification theory (i) 21, 1990 485-500

- Patil, K. R.** See Jagtap, T. B. & Patil, K. R.
- Patil, K. R.** See Karande, B. K. & Patil, K. R.
- Patil, K. R.** See Karande, B. K. & Patil, K. R.
- Patil, P. R.** See Parvathy, C. P. & Patil, P. R.
- Patra, B.** On the absolute  $(\alpha, \beta)$  summability of some series associated with a Fourier series and its allied series 21, 1990 530-543, On the absolute zero order summability of a fourier series and its allied series 13, 1982 785-794; On the absolute zero order summability of series related to a Fourier series and its allied series 21, 1990 290-308
- Patra, B.** See De, J. & Patra, B.
- Patra, B.** See Pradhan, G. K. & Patra, B.
- Patra, B.** See Ray, B. K. & Patra, B.
- Patra, K.** On determination of the marks of some alternating groups of small degree 14, 1983 864-872
- Patwardhan, G. A.** See Dandawate, P. N., Patwardhan, G. A. & Vartak, M. N.
- Patwardhan, G. A. & Sharma, S.** Incomplete block designs obtained by the generalized row-juxtaposition and generalized column-concatenation of incidence matrices 19, 1988 415-422
- Patwardhan, G. A., Dandawate, P. N. & Vartak, M. N.** On the adjugate of a  $(0, -1, 1)$  incidence matrix 15, 1984 589-596
- Patwardhan, M. D.** Bornological properties of the space of integral functions 12, 1981 865-873
- Paul, A. C.** See Pathak, R. S. & Paul, A. C.
- Paul, H. S. & Narasimhan, R.** The vibration of a thermoelastic plate in a large static magnetic field 18, 1987 451-460
- Paul, P. K. & Kundu, S. K.** On extensions of  $\sigma$ -additive set functions with values in a topological group 17, 1986 664-677
- Paul, P. K. & Kundu, S. K.** On the extension of a vector-submeasure 15, 1984 731-748
- Paul, P. K. & Kundu, S. K.** On the extensions of a family of vector submeasures 16, 1985 22-36
- Paul, S.** See Singh, V. & Paul, S.
- Paulraja, P.** See Balakrishnan, R. & Paulraja, P.
- Pawar, Y. S. & Dhamke, V. B.** O-distributive posets 20, 1989 804-811
- Pechlaner, E. & Shen, C. Y.** Influence of internal stresses on motion of a body 13, 1982 717-726
- Perdikis, C.** See Raptis, A., Kafousias, N., Perdikis, C. & Tzivanidis, G.
- Phatak, D. B.** See Chaudhari, N. S., Sarada, N. L. & Phatak, D. B.
- Phatak, M. S.** Sums of powers of natural numbers 21, 1990 879-888
- Pillai, K. J., Varma, S. V. K. & Syam Babu, M.** Flow of a conducting fluid between two coaxial rotating porous

- cylinders bounded by a permeable bed 20, 1989 526-536
- Pokrass, D. J.** A note on distance increasing reducibility 19, 1988 250-254
- Ponnusamy, S.** See Karunakaran, V. & Ponnusamy, S.
- Poornima, S.** Multipliers of Segal algebras and related classes on the real line 12, 1981 566-579
- Popa, V.** Some unique fixed point theorems in Hausdorff spaces 14, 1983 713-717
- Prabha, S. & Jain, R. K.** Gas particulate flow through a tube of varying cross-section 14, 1983 377-394
- Prabhakar, T. R. & Reva.** A general Sheffer set of polynomials relevant to the theory of hyperbolic differential equations 12, 1981 889-897
- Prabhakara, R. V.** See Nagaraj, M. & Prabhakara, R. V.
- Pradhan, G. K. & Patra, B.** Porous convection in a globe with internal heat sources 14, 1983 661-670
- Pradhan, G. K., Samal, P. C. & Tripathy, U. K.** Thermal stability of a fluid layer in a variable gravitational field 20, 1989 736-746
- Pradhan, M.** See Mishra, A. K., Mahapatra, C. K. & Pradhan, M.
- Prakash, N.** Projective structures in space-time 17, 1986 629-663
- Prakash, S.** A two-objective capacity expansion and water allocation programme for reservoirs with restrictions on augmentation of their capacities to meet drinking water requirements 13, 1982 861-870; An assignment problem involving any number of machines with objectives to minimize total processing cost and duration of completing work 12, 1981 291-304
- Prakash, S.** See Bisht, N. S. & Prakash, S.
- Prakash, S.** See Garg, R. & Prakash, S.
- Prakash, S. & Saini, V.** Selection of optimal site for new depot of specified capacity with two objectives 20, 1989 425-432
- Pramadavalli, K.** See Raghavarao, C. V. & Pramadavalli, K.
- Prasad Rao, D. R. V.** See Sivaprasad, R., Prasad Rao, D. R. V. & Krishna, D V.
- Prasad, A.** See Roy, S. R. & Prasad, A.
- Prasad, B. N.** On the torsion tensors  $R_k/kjk$  and  $P_{hjk}$  of Finsler spaces with a metric  $ds = (g_{ij} (dx)^i dx^j)^{1/2}$   $hI(x, y) dx^i$  21, 1990 27-39; also see Singh, U. P., Agrawal, P. N. & Prasad, B. N.
- Prasad, B. N. & Singh, J. N.** Cubic transformations of Finsler spaces and  $n$  fundamental forms of their hypersurfaces 20, 1989 242-249; On C3-like Finsler spaces 19, 1988 423-428
- Prasad, B. N. & Srivastava, L.** A transformation of the Finsler metric by an  $h$ -vector 20, 1989 455-465; On generalized  $h$ -recurrence Finsler connection 21, 1990 653-660; On  $hv$ -recurrent Finsler connection 20, 1989 790-798



- Prasad, B. N., Gupta, B. N. & Singh, D. D. Conformal transformation in Finsler spaces with an  $(\alpha, \beta)$  metric 18, 1987 290-301
- Prasad, B. N., Shukla, H. S. & Singh, D. D. On conformal transformations of  $h$ -recurrent Wagner spaces 18, 1987 913-921
- Prasad, B. N., Singh, V. P. & Singh, J. N. Conformal correspondence of Finslerian hypersurfaces 18, 1987 12-26
- Prasad, B. N., Singh, V. P. & Singh, Y. P. On concircular vector fields in Finsler space 17, 1986 998-1007
- Prasad, D. Common fixed point of mappings in a uniformly convex Banach space with a new functional inequality 15, 1984 115-120, Fixed point theorems of three mappings with a new functional inequality 16, 1985 1073-1077
- Prasad, G. See Mittal, M. L., Prasad, G. & Kumar, N.
- Prasad, J. R. See Naidu, S. V. R. & Prasad, J. R.
- Prasad, K. On the  $(N, p_n)$   $C_1$  summability of a sequence of Fourier coefficients 12, 1981 874-881; *also see* Sinha, S. R. & Prasad, K.
- Prasad, K. C. On finite approximations for a Markoff-like chains 18, 1987 495-500
- Prasad, K. C., Singh, M. K. & Das, R. K. Some identities and Diophantine systems 21, 1990 621-628
- Prasad, K. V. S. N. See Vasudeviah, M. & Prasad, K. V. S. N.
- Prasad, P. K. Algebras of differentiable functions and algebras of Lipschitz functions 16, 1985 376-382
- Prasad, R. Curvature collineation and Maxwell collineation in some cylindrically symmetric electrovac universe 14, 1983 5-12; *also see* Naidu, S. V. R. & Prasad, R.
- Prasad, S. See Ojha, R. H. & Prasad, S.; *also see* Yadav, S. R., Prasad, S. & Mukherjee, R. N.
- Prasad, S. & Mukherjee, R. N. A generalization of a result of Jones and McCormick on optimal control problem 15, 1984 1190-1198; A note on numerical solution of dynamical optimization problems 16, 1985 107-116; Limit modifications in optimization and their applications to saddle point problems 17, 1986 130-137
- Prasad, S. R. & Rangamma, M. On the forms of  $n$  for which  $\psi(n)/n \rightarrow 1$  20, 1989 871-873
- Prasad, S., Mukherjee, R. N. & Som, T. A variable drop theorem and a fixed point theorem via maximal element techniques 17, 1986 175-179
- Prasad, V. S. R. & Rangamma, M. On composite  $n$  satisfying a problem of Lehmer 16, 1985 1244-1248
- Prasad, V. S. R. & Reddy, D. R. On primitive unitary abundant numbers 21, 1990 40-44
- Prasad, V. S. R., Rangamma, M. & Fonseca, P. On the functions arising from generalised Euler functions 18, 1987 941-946
- Prasad, Y. N. See Siddiqui, A., Prasad, Y.

- N. & Singh, A. K.; *also see* Singh, A. K., Prasad, Y. N. & Siddiqui, A.
- Prasada Rao, D. R. V. & Krishna, D. V.** Hall effects on unsteady hydromagnetic flow 12, 1981 270-276; Rotating convective fluid flows with hall current effects 14, 1983 1105-1116
- Prasanna, S.** On topological properties of operators 13, 1982 879-881
- Prasannakumar, K. N.** *See* Bagewadi, C. S. & Prasannakumar, K. N.
- Prema, G.** *See* Kiranagi, B. S. & Prema, G.
- Pujari, S. N.** *See* Das, G. & Pujari, S. N.
- Purohit, A.** *See* Kale, P. P. & Purohit, A.
- Purohit, G. N. & Sharma, R. D.** MHD-heat transfer due to flow between two rotating porous discs 16, 1985 1377-1389
- Puttamadaiah, C. & Gowda, H.** On generalised adjoint abelian operators on Banach spaces 17, 1986 919-924; On spatial numerical ranges of operators on Banach spaces 19, 1988 177-182
- Quadri, M. A. & Ashraf, M.** Two commutativity theorems for semi prime rings 17, 1986 1207-1209
- Quraishi, R.** *See* Abdussattar & Quraishi, R.
- Qureshi, K.** On the degree of approximation of a periodic function  $f$  by almost Riesz means of its conjugate series 13, 1982 1136-1139; On the degree of approximation of functions belonging to the Lipschitz class by means of a conjugate series 12, 1981 1120-1123; On the degree of approximation of functions belonging to the class  $Lip(\alpha, p)$  13, 1982 466-470; On the degree of approximation of functions belonging to weighted  $(L^p \psi_1, (t))$  class 13, 1982 471-475; On the degree of approximation of functions belonging to the class  $Lip(\alpha, p)$  by means of a conjugate series 13, 1982 560-563; On the degree of approximation of functions belonging to the class  $lip \alpha$  13, 1982 898-903
- Qureshi, M. I.** *See* Wali Mohd., Ch., Qureshi, M. I. & Pathan, M. A.
- Qureshi, M. I. & Pathan, M. A.** A note on the sum of Appell function  $F_2$  15, 1984 1239-1243
- Radha, S.** *See* Parvatham, R. & Radha, S.
- Radhakrishna, A.** *See* Bhandari, M. C & Radhakrishna, A.
- Radhe Shyam.** *See* Sharma, V. D. & Radhe Shyam
- Radwan, A. E.** Hydrodynamic stability of an annular liquid jet having a mantle solid axis using the energy principle 19, 1988 1105-1114
- Ragab, A. A.** *See* El-Owaidy, H., Zaghrout, A. A. S. & Ragab, A. A.; *also see* Zaghrout, A. A. S. & Ragab, A. A.
- Raghavacharyulu, N. Ch.** Combined free and forced convection in vertical circular porous channel 16, 1985 323-328
- Raghavan, T. G.**  $\theta$ -closed subsets of topological spaces 15, 1984 233-240; Equivariant Puppe's homology sequence with coefficient systems 17, 1986 1366-1372; On locally

- countably compact-like spaces 16, 1985 762-769; On para- $H$ -closed spaces 21, 1990 799-804, On quasi-metrizability 15, 1984 1084-1089; On the lattice of one-point near-compactifications 16, 1985 357-364
- Raghavan, T. G. & Reilly, I. L.** On minimal Hausdorff first countable spaces 14, 1983 244-252, On semi-metrizable-closed spaces 18, 1987 219-225
- Raghavarao, C. V. & Pramadavalli, K.** Slow viscous rotating fluid past a sphere 13, 1982 666-671
- Raghavendra, V.** See Agase, S. B. & Raghavendra, V.
- Raghavendra, V. & Rama Mohan Rao, M.** Differential systems with impulsive perturbations and an extension of Lyapunov's method 13, 1982 890-897
- Raghuwanshi, B. P.** See Singh, T. & Raghuwanshi, B. P.
- Raghwendra.** See Mukherjee, R. N. & Raghwendra
- Rahman, A. F. M. A.** See Hossain, M. A. & Rahman, A. F. M. A.
- Rai, A. & Gaur, M.** Vibrational relaxation effects on the curvature of an attached shock wave 13, 1982 1085-1089
- Rai, B. & Singh, A.** A three species predator-prey-mutualist model with time-delays 21, 1990 544-556
- Rai, B. K.** See Singh, S. N. & Rai, B. K.
- Rai, K. N. & Pandey, R. N.** Heat and mass transfer in porous bodies of simple geometry 13, 1982 96-110
- Raihie, N.** The distribution of likelihood ratio criteria for testing a hypothesis on complex multivariate normal populations 14, 1983 1049-1055
- Raina, R. K.** A note on the fractional derivatives of a general system of polynomials 16, 1985 770-774, A series relation by means of certain fractional calculus operators 21, 1990 172-175; On composition of certain fractional integral operators 15, 1984 509-516, Some new generating relations for certain polynomial systems involving the  $H$ -functions 16, 1985 498-503
- Raina, R. K. & Koul, C. L.** On convolution integral equations 13, 1982 362-369
- Rajagopal, R.** On a class of analytic functions I 18, 1987 813-817
- Rajagopalan, R.**  $G$ -Noetherian domains 21, 1990 919-922;  $G$ -rings with few zero-divisors and their quotient rings 15, 1984 1211-1215
- Rajalakshmi, R.** See Vasudevaiah, M. & Rajalakshmi, R.
- Rajappa, B.** See Channabasappa, M. N., Ranganna, G. & Rajappa, B.
- Rajappa, N. R.** See Davidson, D. & Rajappa, N. R.
- Rajasekaran, S. & Bhatia, B. L.** Coefficient estimates for Starlike functions of order  $\alpha$  and type  $\beta$  15, 1984 1115-1123
- Rajashree, R. & Sankara Rao, K.** A numerical study of the performance of heat pipe 21, 1990 95-108
- Rajeswari, V.** See Srinivasa Rao, K. & Rajeswari, V.

- N. & Singh, A. K.; *also see* Singh, A. K., Prasad, Y. N. & Siddiqui, A.
- Prasada Rao, D. R. V. & Krishna, D. V.** Hall effects on unsteady hydromagnetic flow 12, 1981 270-276; Rotating convective fluid flows with hall current effects 14, 1983 1105-1116
- Prasanna, S.** On topological properties of operators 13, 1982 879-881
- Prasannakumar, K. N.** *See* Bagewadi, C. S. & Prasannakumar, K. N.
- Prema, G.** *See* Kiranagi, B. S. & Prema, G.
- Pujari, S. N.** *See* Das, G. & Pujari, S. N.
- Purohit, A.** *See* Kale, P. P. & Purohit, A.
- Purohit, G. N. & Sharma, R. D.** MHD-heat transfer due to flow between two rotating porous discs 16, 1985 1377-1389
- Puttamadaiah, C. & Gowda, H.** On generalised adjoint abelian operators on Banach spaces 17, 1986 919-924; On spatial numerical ranges of operators on Banach spaces 19, 1988 177-182
- Quadri, M. A. & Ashraf, M.** Two commutativity theorems for semi prime rings 17, 1986 1207-1209
- Quraishi, R.** *See* Abdussattar & Quraishi, R.
- Qureshi, K.** On the degree of approximation of a periodic function  $f$  by almost Riesz means of its conjugate series 13, 1982 1136-1139; On the degree of approximation of functions belonging to the Lipschitz class by means of a conjugate series 12, 1981 1120-1123; On the degree of approximation of functions belonging to the class  $Lip(\alpha, p)$  13, 1982 466-470; On the degree of approximation of functions belonging to weighted  $(L^p \psi_1, (t))$  class 13, 1982 471-475; On the degree of approximation of functions belonging to the class  $Lip(\alpha, p)$  by means of a conjugate series 13, 1982 560-563; On the degree of approximation of functions belonging to the class  $lip \alpha$  13, 1982 898-903
- Qureshi, M. I.** *See* Wali Mohd., Ch., Qureshi, M. I. & Pathan, M. A.
- Qureshi, M. I. & Pathan, M. A.** A note on the sum of Appell function  $F_2$  15, 1984 1239-1243
- Radha, S.** *See* Parvatham, R. & Radha, S
- Radhakrishna, A.** *See* Bhandari, M. C. & Radhakrishna, A.
- Radhe Shyam.** *See* Sharma, V. D. & Radhe Shyam
- Radwam, A. E.** Hydrodynamic stability of an annular liquid jet having a mantle solid axis using the energy principle 19, 1988 1105-1114
- Ragab, A. A.** *See* El-Owaidy, H., Zaghrout, A. A. S. & Ragab, A. A.; *also see* Zaghrout, A. A. S. & Ragab, A. A.
- Raghavacharyulu, N. Ch.** Combined free and forced convection in vertical circular porous channel 16, 1985 323-328
- Raghavan, T. G.**  $\theta$ -closed subsets of topological spaces 15, 1984 233-240; Equivariant Puppe's homology sequence with coefficient systems 17, 1986 1366-1372; On locally

- countably compact-like spaces 16, 1985 762-769; On para- $H$ -closed spaces 21, 1990 799-804; On quasi-metrizability 15, 1984 1084-1089; On the lattice of one-point near-compactifications 16, 1985 357-364
- Raghavan, T. G. & Reilly, I. L.** On minimal Hausdorff first countable spaces 14, 1983 244-252; On semi-metrizable-closed spaces 18, 1987 219-225
- Raghavarao, C. V. & Pramadavalli, K.** Slow viscous rotating fluid past a sphere 13, 1982 666-671
- Raghavendra, V.** See Agase, S. B. & Raghavendra, V.
- Raghavendra, V. & Rama Mohan Rao, M.** Differential systems with impulsive perturbations and an extension of Lyapunov's method 13, 1982 890-897
- Raghuwanshi, B. P.** See Singh, T. & Raghuwanshi, B. P.
- Raghwendra.** See Mukherjee, R. N. & Raghwendra
- Rahman, A. F. M. A.** See Hossain, M. A. & Rahman, A. F. M. A.
- Rai, A. & Gaur, M.** Vibrational relaxation effects on the curvature of an attached shock wave 13, 1982 1085-1089
- Rai, B. & Singh, A.** A three species predator-prey-mutualist model with time-delays 21, 1990 544-556
- Rai, B. K.** See Singh, S. N. & Rai, B. K.
- Rai, K. N. & Pandey, R. N.** Heat and mass transfer in porous bodies of simple geometry 13, 1982 96-110
- Raihi, N.** The distribution of likelihood ratio criteria for testing a hypothesis on complex multivariate normal populations 14, 1983 1049-1055
- Raina, R. K.** A note on the fractional derivatives of a general system of polynomials 16, 1985 770-774, A series relation by means of certain fractional calculus operators 21, 1990 172-175; On composition of certain fractional integral operators 15, 1984 509-516, Some new generating relations for certain polynomial systems involving the  $H$ -functions 16, 1985 498-503
- Raina, R. K. & Koul, C. L.** On convolution integral equations 13, 1982 362-369
- Rajagopal, R.** On a class of analytic functions I 18, 1987 813-817
- Rajagopalan, R.**  $G$ -Neotherian domains 21, 1990 919-922;  $G$ -rings with few zero-divisors and their quotient rings 15, 1984 1211-1215
- Rajalakshmi, R.** See Vasudevaiah, M. & Rajalakshmi, R.
- Rajappa, B.** See Channabasappa, M. N., Ranganna, G. & Rajappa, B.
- Rajappa, N. R.** See Davidson, D. & Rajappa, N. R.
- Rajasekaran, S. & Bhatia, B. L.** Coefficient estimates for Starlike functions of order  $\alpha$  and type  $\beta$  15, 1984 1115-1123
- Rajashree, R. & Sankara Rao, K.** A numerical study of the performance of heat pipe 21, 1990 95-108
- Rajeswari, V.** See Srinivasa Rao, K. & Rajeswari, V.

- Rajhans, B. K.** See Kesari, P. & Rajhans, B. K.
- Raju, B. S. P.** See Sastry, D. V. S. & Raju, B. S. P.
- Rajwade, A. R.** See Katre, S. A. & Rajwade, A. R.; also see Parnami, J. C., Agrawal, M. K. & Rajwade, A. R.; also see Rishi, D. B., Parnami, J. C. & Rajwade, A. R.
- Ram, A.** See Singh, B. B. & Ram, A.; also see Sinha, B. B. & Ram, A.
- Ram, D. K. & Parhi, H. K.** Axisymmetric distribution of thermal stresses in a transversely isotropic semi-infinite solid containing a penny-shaped crack 13, 1982 76-87
- Ram, P. C.** See Agrawal, H. L., Ram, P. C. & Singh, V.
- Rama Krishna, D. & Ramacharyulu, N. C. P.** Unsteady state film profiles of a dusty viscous drainage 15, 1984 1363-1374
- Rama Mohan Rao, M.** See Raghavendra, V. & Rama Mohan Rao, M.
- Rama Murthy, D. & Sarma, A. V. M.** Effect of pulsed Laser on human skin 19, 1988 1081-1088
- Rama Rao, Y. V. & Sarma, K. S.** Love waves in a liquid locked layered poroelastic half space 16, 1985 824-832
- Rama, K.** See Bhaskara, K. H. & Rama, K.
- Ramabhadrasarma, I. & Katragadda, S.** On the points of discontinuity of a real valued function 17, 1986 504-506
- Ramabrahmam, B. & Rao, M. P.** Line crack in an elastic plate subject to varying internal pressure in nonlocal elasticity 16, 1985 661-672
- Ramachandra, K.** See Balasubramanian, R. & Ramachandra, K.
- Ramachandra, K. & Sankaranarayanan, A.** A remark on  $\zeta(2n)$  18, 1987 891-895
- Ramachandran, P. T.** Complementa- tion in the lattice of *cech* closure operators 18, 1987 152-158
- Ramachandran, S.** On digraph reconstruction 20, 1989 782-785
- Ramacharyulu, N. C. P.** See Rama Krishna, D. & Ramacharyulu, N. C. P.
- Ramacharyulu, N. C. P. & Appala Raju, K.** Run-up flow in a generalised porous medium 15, 1984 665-670
- Ramadan, A. E.** See Abd El-Monsef, M. E. & Ramadan, A. E.
- Ramakrishna, S., Sreenadh, S. & Arunachalam, P. V.** Convection in a stratified flow in an inclined porous channel 19, 1988 803-811
- Ramakrishnan, P. V.** See Ayyaswami, S. K. & Ramakrishnan, P. V.
- Ramana Murty, V. T.** See Soundalgekar, V. M., Ramana Murty, V. T. & Takhar, H. S.
- Ramanaiah, G.** See Jayaraman, L. & Ramanaiah, G.
- Ramanathan, K. G.** Homi J Bhabha Medal Lecture-1984, Ramanujan's continued fraction 16, 1985 995-724
- Ramanujan, N. & Sunandakumari, V. M.** Singularly perturbed initial value

- problems for differential equations in a Banach space 19, 1988 973-989
- Ramanujan, P. B.** See Patel, A. B. & Ramanujan, P. B.
- Ramasamy, A. M. S.** See Mohanty, S. P. & Ramasamy, A. M. S.
- Rana, O. H.** See Verma, P. D. S., Rana, O. H. & Verma, M.
- Rana, V. D.** See Gupta, S. K., Bhardwaj, P. C. & Rana, V. D.
- Ranadive, V. S.** See Jadiya, B. L. & Ranadive, V. S.
- Rangachari, M. S. & Settu, S. A.** Approximation of a function by the  $F(a, q)$  transform of its Fourier series 19, 1988 369-383
- Rangamma, M.** See Prasad, S. R. & Rangamma, M.; also see Prasad, V. S. R. & Rangamma, M.
- Rangamma, M.** See Prasad, V. S. R., Rangamma, M. & Fonseca, P.
- Ranganathan, N. & Sambandham, M.** On the lower bounds of the number of real roots of a random algebraic equation 13, 1982 148-157
- Ranganna, G.** See Channabasappa, M. N., Ranganna, G. & Rajappa, B.
- Rani, M.** See Bhargava, R. & Rani, M.
- Rani, N.** See Sharma, R. C. & Rani, N.
- Rani, S.** See Srivastava, G. S. & Rani, S.
- Rao Chivukula, R. & Heckman, R. K.** A note on convolution in Banach spaces 14, 1983 1500-1505
- Rao, A. S.** A variational result for a class of vector-valued functions 16, 1985 1040-1043; also On the Stephanov-bounded solution of a certain  $n$ th order abstract differential equation 17, 1986 1363-1365
- Rao, A. S.** See Rao, D. R. K. S., Murty, K. N. & Rao, A. S.
- Rao, A. S. H., Shukla, R. & Rao, B. K.** Torsional vibrations of a cylinder subjected to nonhomogeneous deformation 16, 1985 303-308
- Rao, B. K.** See Rao, A. S. H., Shukla, R. & Rao, B. K.
- Rao, D. R. K. S., Murty, K. N. & Murty, M. S. N.** Extension of Liapunov theory to three point boundary value problems 13, 1982 421-425
- Rao, D. R. K. S., Murty, K. N. & Rao, A. S.** Existence and uniqueness theorems for four point boundary value problems for fourth order differential equations 13, 1982 1006-1010
- Rao, G. C.** See Swamy, U. M. & Rao, G. C.
- Rao, G. S. & Elumalai, S.** Semicontinuity properties of the strong best co-approximation operator 16, 1985 257-270
- Rao, G. S. & Jothibai, A.** Sain in a normed linear space 15, 1984 355-360
- Rao, I. H. N.** See Sastry, K. P. R., Naidu, S. V. R., Rao, I. H. N. & Rao, K. P. R.
- Rao, I. H. N. & Rao, K. P. R.** Fixed point theorems on complete and compact spaces 15, 1984 1302-1307; Generalizations of fixed point theorems of Meir and Keeler type

- 16, 1985 1249-1262; On some fixed point theorems 15, 1984 459-462
- Rao, J. M. On some theorems of Iseki 12, 1981 580-584
- Rao, K. P. R. On fixed point results 17, 1986 462-465
- Rao, K. P. R. See Naidu, S. V. R. & Rao, K. P. R.; also see Rao, I. H. N. & Rao, K. P. R.; also see Sastry, K. P. R., Naidu, S. V. R., Rao, I. H. N. & Rao, K. P. R.
- Rao, M. P. See Ramabrahmam, B. & Rao, M. P.
- Rao, R. S. On N-groups and additive groups of near-rings 21, 1990 339-346
- Rao, R. S. R. C. See Murty, G. S. R. C. & Rao, R. S. R. C.
- Rao, T. S. S. R. K. Intersection properties of balls in tensor products of some Banach spaces-II 21, 1990 275-284
- Raptis, A. A., Kafousias, N. G., Massalas, C. V. & Tzivanidis, G. J. The effects of variable suction/injection of the free convection flow past an accelerated vertical insulated plate 12, 1981 253-260
- Raptis, A., Kafousias, N., Perdakis, C. & Tzivanidis, G. Mass transfer effects on the flow past an accelerated vertical insulated plate 12, 1981 1054-1061
- Rashid, L. E. M. Collineations of polar spaces 21, 1990 741-752; Homomorphisms of unitary group 21, 1990 1073-1082
- Rastogi, S. C. A note on quarter-symmetric metric connections 18, 1987 1107-1112; Submanifolds of a finsler manifold 18, 1987 896-912
- Rath, D. A note on series and sequences 18, 1987 625-629
- Rath, N. Operator duals of some sequence spaces 20, 1989 953-963
- Rath, R. S. & Parida, D. N. Interaction of wall porosity and Hall effects in the hydromagnetic free and forced convection flow through a channel 12, 1981 898-906
- Rathie, N. On the exact distribution of Pearson and Wilks likelihood test Statistics-II 21, 1990 251-259
- Rathore, R. K. S. & Agrawal, P. N. Inverse and saturation theorems for derivatives of exponential type operators 13, 1982 476-490
- Rathore, S. K. S. See Datta, S. & Rathore, S. K. S.
- Rathy, R. K. & Hari Kishan. Stability of hydromagnetic stratified shear flow 12, 1981 764-768
- Ravetto, P. See Coppa, G., Ravetto, P. & Sumini, M.
- Ravi Kishore, M. V. K. See Sastry, K. P. R., Naidu, S. V. R. & Ravi Kishore, M. V. K.
- Ravi, B. & Bagewadi, C. S. Invariant submanifolds in a conformal K-contact Riemannian manifold 20, 1989 1119-1125
- Rawat, M. S. See Dhami, H. S. & Rawat, M. S.
- Ray, A. K. A note on semi-symmetric  $\pi$ -connection on a Riemannian manifold 15, 1984 1206-1210



- Ray, A. K. *See* Barua, B. & Ray, A. K.
- Ray, B. K. On common fixed points in metric spaces 19, 1988 960-962; *also see* Singh, M. N. & Ray, B. K.
- Ray, B. K. & Patra, B. On the absolute euler summability of a factored fourier series 13, 1982 696-710
- Razi, Q. Degree of  $L_1$ -approximation to integrable functions by Bernstein type operators 19, 1988 1217-1226
- Razi, Q. & Umar, S.  $L_p$ -Approximation by Szasz-Mirakjan-Kantrovitch operators 18, 1987 173-177
- Reddy, B. P. & Chaudhary, M. S. On distributional Mathieu transforms 17, 1986 38-46
- Reddy, D. R. *See* Prasad, V. S. R. & Reddy, D. R.
- Reddy, G. L. & Padmanabhan, K. S. Some properties of fractional integrals and derivatives of univalent functions 16, 1985 291-302
- Reddy, J. N. On the numerical solution of differential equations by the finite element method Part I: An introduction to the finite element method (the Ritz Models) 16, 1985 1341-1376; On the numerical solution of Differential equations by the finite element method by Part II: Alternative finite element formations 16, 1985 1512-1528
- Reddy, K. N. Periodic boundary value problems for an an infinite system of nonlinear second order differential equations 20, 1989 1213-1229
- Reddy, L. N. *See* Bommireddy, M. & Reddy, L. N.
- Reddy, M. U. S. Hydromagnetic laminar flow of an elastico-viscous fluid past an infinite flat plate 17, 1986 74-83
- Reddy, Y. V. & Murty, C. V. L. N. On left duo near-rings 17, 1986 318-321; Semi-symmetric ideals in near-rings 16, 1985 17-21
- Regmi, D. D. S. *See* Tiwary, A. K., Pandeya, B. M. & Regmi, D. D. S.
- Reilly, I. L. *See* Konstadilaki-Savopoulou, Ch. & Reilly, I. L.; *also see* Ganster, M. & Reilly, I. L.; *also see* Greenwood, S. & Reilly, I. L.; *also see* Jankovic, D. S. & Reilly, I. L.; *also see* Raghavan, T. G. & Reilly, I. L.
- Reilly, I. L. & Vamanamurthy, M. K. On  $\delta$ -continuous functions 15, 1984 83-88; On super continuous mappings 14, 1983 767-772
- Renganathan, N. & Sambandham, M. On the average number or real zeros of a random trigonometric polynomial with dependent coefficient-II 15, 1984 951-956
- Reva. *See* Prabhakar, T. R. & Reva
- Revankar, S. T. Natural convection effects on MHD flow past an impulsively started permeable vertical plate 14, 1983 530-539
- Rhoades, B. E. Fixed point theorems and stability results for Fixed point iteration procedures 21, 1990 1-9; Fixed point theorems for some families of maps 21, 1990 10-20; Fixed point theorems for some non-self mappings 19, 1988 627-633; Matrix transformations of orthogonal series 20, 1989 150-164; *also see* Carbone, A., Rhoades, B. E. & Singh, S. P.; Some comparison theorems

- for absolute summability 15, 1984 23-30
- Rhoades, B. E. & Sessa, S. Common fixed point theorems for three mappings under a weak commutativity condition 17, 1986 47-57
- Richmond, T. A. Remarks on N-point order compactifications 21, 1990 527-529
- Rishi, D. B., Parnami, J. C. & Rajwade, A. R. Complex multiplication by  $(1 + (-19)/2)$  14, 1983 630-634
- Romaguera, S. & Marin, J. On a quasi-size functions 18, 1987 810-812
- Rose, D. A. A note on Levine's decomposition of continuity 21, 1990 985-988
- Roshan Lal & Gupta, U. S. Influence of transverse shear and rotatory inertia on axisymmetric vibrations of polar orthotropic annular plates of parabolically varying thickness 13, 1982 205-220
- Ross, B. On a change from a real variable to a complex variable and the Fresnel integral 16, 1985 1117-1122; On the limit  $\Gamma(yi)$  as  $y$  tends to infinity 19, 1988 549-553; On the solution to a complicated functional equation 14, 1983 395-397
- Roux, D. See Massa, S., Roux, D. & Singh, S. P.
- Roy Choudhuri, S. K. See Bhatta, N. & Roy Choudhuri, S. K.
- Roy Choudhuri, S. K. & Sain, G. Instantaneous heat sources in an infinite elastic solid with thermal relaxation 13, 1982 1340-1353
- Roy Chowdhury, S. K. See Sanyal, D. C. & Roy Chowdhury, S. K.
- Roy, A. See Chatterjee, M. & Roy, A
- Roy, A. R. & Chatterjee, B. Plane symmetric solutions of interacting self-gravitating fluids and source-free electromagnetic fields 13, 1982 253-264; Plane-symmetric static charged-dust distribution in Sen-Dunn theory 12, 1981 659-663
- Roy, K. L. See Parida, J. & Roy, K. L.
- Roy, N. See Dey, S., Roy, N. & Dutta, A
- Roy, N. See Dey, S., Roy, N. & Ghosh, S
- Roy, R. & Shah, S. M. The product of two functions of bounded value distribution 17, 1986 690-693
- Roy, S. K. & Sengupta, P. R. Vibration of the infinite circular cylinder of viscoelastic solid of higher order 15, 1984 571-588
- Roy, S. R. & Narain, S. A plane symmetric non-static cosmological model in general relativity 12, 1981 284-290
- Roy, S. R. & Prasad, A. An algebraically special Bianchi type  $VI_k$  cosmological model in general relativity 19, 1988 86-90
- Roy, S. R. & Tiwari, O. P. Some inhomogeneous viscous fluid cosmological models of plane symmetry 14, 1983 233-243
- Roy, S. S. & Narain, S. Some non-static self gravitating fluids in space-times of cylindrical symmetry 14, 1983 96-107
- Roy, S. S. & Singh, J. P. Some

- inhomogeneous cosmological models in general relativity 13, 1982 1285-1295
- Rudraiah, N.** See Soma Raju, V. & Rudraiah, N.; also see Venkatachalappa, M., Sekar, R. & Rudraiah, N
- Rukmangadachari, E.** Unsteady state film profiles of an elastico-viscous drainage 13, 1982 1460-1465
- Ruscheweyh, St.** See Hall, R. R. & Ruscheweyh, St.
- Sachdev, P. L. & Satya Narayanan, A.** Instabilities of internal gravity waves in stratified shear flows 13, 1982 989-996
- Saha, L. M.** See Mehta, Y. K. & Saha, L. M.
- Sahai, V.** See Manocha, H. L. & Sahai, V.
- Sahani.** See Bose, R. K. & Sahani
- Sahani, D. & Bose, R. K.** Common fixed points of mappings in a uniformly convex Banach space 15, 1984 625-630; On asymptotic centres and fixed point theorems for set valued non-expansive mappings 15, 1984 991-997
- Sahay, R.** See Sharma, C. K. & Sahay, R.
- Sahgal, S.** See Chandel, R. C. S. & Sahgal, S.
- Sahney, B. N.** See Mahanti, P. K. & Sahney, B. N.
- Sahoo, H. K.** See Pathak, R. S. & Sahoo, H. K.
- Sahoo, M.** See Parida, J. & Sahoo, M.
- Sahoo, S.** See Das, G., Panda, K. C. & Sahoo, S
- Sahu, P.** See Mishra, A. K. & Sahu, P.
- Sain, G.** See Roy Choudhuri, S. K. & Sain, G.
- Saini, V.** See Prakash, S. & Saini, V.
- Saker, J. P. & Gasgupta, H.** Locally semi-connectedness in topological spaces 16, 1985 1488-1494
- Salmassi, M. & Shah, S. M.** Functions with univalent derivatives and of irregular growth 12, 1981 749-752
- Saluja, K. S.** See Singh, S. & Saluja, K. S
- Samal, P. C.** See Pradhan, G. K., Samal, P. C. & Tripathy, U. K.
- Samanta, S. K.** An abstract fixed point theorem for multi-valued mappings 20, 1989 1080-1082; Fixed point theorems for non-self mappings 15, 1984 221-232; also see Sanyal, D. C. & Samanta, S. K.
- Sambandham, M.** See Ranganathan, N. & Sambandham, M.; also see Renganathan, N. & Sambandham, M.
- Sambasiva Rao, V. & Satyanarayana, Bh.** The prime radical in near-rings 15, 1984 361-364
- Sampathkumar, E.** Convex sets in a graph 15, 1984 1065-1071; also see Acharya, B. D. & Sampathkumar, E.
- Sampathkumar, E. & Neeralagi, P. S.** A line neighbourhood number of graph 17, 1986 142-149; The neighbourhood number of a graph 16, 1985 126-132

- Sankara Rao, K.** See Rajashree, R. & Sankara Rao, K.
- Sankaranarayanan, A.** An identity involving Riemann zeta function 18, 1987 794-800; also see Adhikari, S. D., Balasubramanian, R. & Sankaranarayanan, A.; also see Ramachandra, K. & Sankaranarayanan, A.
- Sankarasubramanian, K. & Naidu, K. B.** An iterative solution for a pulsatile flow of suspension of particles in a rigid tube 18, 1987 557-566
- Sanyal, A. & Misra, S. K.** Collineation of period three and triply perspective triangles 21, 1990 699-706
- Sanyal, D. C. & Roy Chowdhury, S. K.** The effect of radiation on hydromagnetic convection in a moving conducting vertical channel 13, 1982 1447-1454
- Sanyal, D. C. & Samanta, S. K.** On hydromagnetic turbulent shear flow 20, 1989 1151-1158; Unsteady motion of a semi-infinite conducting liquid by a suddenly applied velocity on its surface 20, 1989 1146-1150
- Sanyal, D. C. & Singh, J. N.** Deformation of a semi-infinite poroelastic medium with a tangential load on its surface 17, 1986 260-272; On the deformation of a poroelastic medium containing a very thin internal crack 18, 1987 91-99
- Sarada, N. L.** See Chaudhari, N. S., Sarada, N. L. & Phatak, D. B.
- Saran, S.** General formulas for a terminating generalised Kampi de Furi series 13, 1982 1132-1135
- Saraswathi, V.** See Somasundaram, D. & Saraswathi, V.
- Sarigol, M. A.** See Orhan, C. & Sarigol, M. A.
- Sarkar, P. K.** On Gol'dberg order and Gold'berg type of an entire function of several complex variables represented by multiple Dirichlet series 13, 1982 1221-1230; On the large deflection analysis of circular plates of variable thickness with edges elastically restrained against rotation 12, 1981 1477-1485
- Sarkhel, D. N.** Some generalizations of countable compactness 17, 1986 778-785
- Sarma, A. V. M.** See Rama Murthy, D. & Sarma, A. V. M.
- Sarma, D. P.** See Palekar, M. G. & Sarma, D. P.
- Sarma, G. N. & Srivastava, R.** Analytical and numerical study of three dimensional oscillatory compressible flow past yawed cylinders with given heat transfer 12, 1981 1007-1026
- Sarma, K. S.** See Rama Rao, Y. V. & Sarma, K. S.
- Sastry, D. V. S. & Raju, B. S. P.** Some non-isomorphic graphs 12, 1981 191-192
- Sastry, D. V. S. & Seetharamaswamy, R.** MHD dusty viscous flow through a circular pipe 13, 1982 811-817
- Sastry, K. P. R.** See Dissanayake, U. N. B. & Sastry, K. P. R.
- Sastry, K. P. R.** Summability characterization for B-convex and

- super reflexive spaces 15, 1984 771-776
- Sastry, K. P. R. & Naidu, S. V. R. On contraction maps 13, 1982 1417-1419
- Sastry, K. P. R., Naidu, S. V. R. & Ravi Kishore, M. V. K. Pseudo strict convexity and metric convexity in metric linear spaces 19, 1988 149-153
- Sastry, K. P. R., Naidu, S. V. R., Rao, I. H. N. & Rao, K. P. R. Common fixed points for asymptotically regular mappings 15, 1984 849-854
- Sattar, M. A. A tentative model of the turbulent boundary layer 15, 1984 1162-1182; Steady plane MHD flows with constant speed along each streamline 18, 1987 548-556
- Satuamarauama, B. Primary decomposition in noetherian near-rings 15, 1984 127-130
- Satya Narayanan, A. *See* Sachdev, P. L. & Satya Narayanan, A
- Satyanarayana, Bh. *See* Sambasiva Rao, V. & Satyanarayana, Bh.
- Savas, E. On  $\sigma$ -Regular dual summability methods 18, 1987 1011-1015; On Lacunary strong  $\sigma$ -convergence 21, 1990 359-365
- Savita Kumari & Singhal, J. P. General generating relations 19, 1988 59-65
- Saxena, H. S. *See* Bhargava, R. D. & Saxena, H. S.
- Saxena, P. K. & Bhandari, M. C.  $D$ -regularity for near-rings 12, 1981 938-944; *also see* Bhandari, M. C. & Saxena, P. K.
- Saxena, R. K. *See* Indurkar, P. N. & Saxena, R. K.
- Saxena, R. K. *See* Joshi, V. G. & Saxena, R. K.
- Saxena, R. K. *See* Malgonde, S. P. & Saxena, R. K.
- Saxena, R. K. *See* Moharir, S. K. & Saxena, R. K.
- Saxena, R. K. & Gupta, L. C. Integral representations for certain hypergeometric functions of three variables due to Lauricella and Srivastava 15, 1984 491-496, On certain  $q$ -expansions associated with multivariable basic hypergeometric functions of Srivastava 21, 1990 574-581
- Saxena, R. K. & Gupta, R. K. On certain transformations of basic hypergeometric functions of three variables 21, 1990 1009-1014
- Saxena, R. K. & Modi, G. C. Fractional  $q$ -integral operators associated with a basic analogue of Srivastava-Daoust's function 16, 1985 491-497
- Saxena, R. M. *See* Mohan, C. & Saxena, R. M.
- Saxena, S. & Sharma, G. C. Unsteady flow of an electrically conducting dusty viscous liquid between two parallel plates 18, 1987 1131-1138
- Saxena, S. C. On simplification of certain types of BIBD's 16, 1985 103-106
- Saxena, V. P. *See* Arya, D. & Saxena, V. P.
- Saxena, V. P. & Bindra, J. S. Quadratic shape functions in variational finite

- element approach to heat distribution in cutaneous and subcutaneous tissues 18, 1987 846-855; Steady state temperature distribution in dermal regions of Human body with variable blood flow, perspiration and self controlled metabolic heat generations 15, 1984 31-42
- Scott, P. R. Area, width and diameter of planar convex sets with lattice point constraints 14, 1983 444-448, Axial diameters, width and surface area 21, 1990 629-632
- Seetharamaswamy, R. See Sastry, D. V. S. & Seetharamaswamy, R.
- Sehgal, V. M., Singh, S. P. & Watson, B. A coincidence theorem for topological vector spaces 14, 1983 565-566
- Sekar, R. See Venkatachalappa, M., Sekar, R. & Rudraiah, N.
- Sen, D. K. On Hermitian operators on Banach spaces 12, 1981 1219-1223
- Sen, H. See Garai, R. K. & Sen, H.
- Sen, S. K. A note on Butler's sphere theorems for Stoke's stream function 13, 1982 1466-1477
- Sen, S. K. & Venkaiah, V. Ch. On symmetrizing a matrix 19, 1988 554-561
- Sengupta, P. R. See Das, T. K. & Sengupta, P. R.
- Sengupta, P. R. See Roy, S. K. & Sengupta, P. R.
- Sesoagiri Rao, S. V. See Anand Babu, L., Mohan, N. L., Sundararajan, N. & Sesoagiri Rao, S. V.
- Sessa, S. See Rhoades, B. E. & Sessa, S.
- Seth, G. S. & Ghosh, S. K. Effect of Hall currents on unsteady hydromagnetic flow in a rotating channel with oscillating pressure gradient 17, 1986 819-826
- Seth, G. S. & Maiti, M. K. MHD Couette flow and heat transfer in a rotating system 13, 1982 931-945
- Settu, S. A. See Rangachari, M. S. & Settu, S. A.
- Shah, S. M. See Roy, R. & Shah, S. M.
- Shah, S. M. See Salmassi, M. & Shah, S. M.
- Shahid, M. H. CR-Submanifolds of a Sasakian manifolds with vanishing contact Bochner curvature tensor 21, 1990 21-26
- Shahid, M. H. & Husain, S. I. CR-Submanifolds of a Bochner-Kaehler manifold 18, 1987 605-610
- Shail, R. See Chakrabarti, A. & Shail, R.
- Shaker, M. O. See Morsy, M. W., Aly, Samia S. & Shaker, M. O.
- Shandil, R. G. See Gupta, J. R., Sood, S. K. & Shandil, R. G.
- Shanmugam, T. N. On  $\alpha$ -quasi convex functions 20, 1989 915-922
- Sharan, M. See Aminataei, A., Sharan, M. & Singh, M. P.
- Sharan, M. & Singh, M. P. Physio-mathematical aspects of blood oxygenation in lung capillaries 17, 1986 541-552

- Sharan, V. *See* Verma, B. G., Vishwakarma, J. P. & Sharan, V
- Sharma, C. K. & Sahay, R. Some double integrals involving the multivariable  $H$ -function 16, 1985 170-173
- Sharma, C. K. & Shukla, V. S. Some finite and infinite summation formulae for the  $H$ -function of several complex variables 15, 1984 409-416
- Sharma, C. K. & Singh, I. Some integrals involving the Lauricella functions and the multivariable  $H$ -function 21, 1990 597-604
- Sharma, G. C. *See* Jain, M. & Sharma, G. C.
- Sharma, G. C. *See* Belu & Sharma, G. C.
- Sharma, G. C. *See* Cherian, J., Jain, M. & Sharma, G. C.
- Sharma, G. C. *See* Saxena, S. & Sharma, G. C.
- Sharma, G. C. *See* Sharma, M. B., Kumar, P. & Sharma, G. C.
- Sharma, G. C. *See* Singh, S. K. & Sharma, G. C.
- Sharma, G. C. *See* Tiwari, S. C. & Sharma, G. C.
- Sharma, G. C. *See* Trivedi, S. K. & Sharma, G. C.
- Sharma, G. C. *See* Trivedi, S. K., Jain, M. & Sharma, G. C.
- Sharma, G. S. *See* Sharma, L. K. & Sharma, G. S.
- Sharma, H. G. & Gupta, D. S. Flow of a non-Newtonian second-order fluid between two enclosed rotating discs 12, 1981 1146-1159, Flow of a non-Newtonian second-order fluid between two infinite torsionally oscillatory discs 14, 1983 1091-1099, Flow of a second-order fluid under torsionally oscillating disc 14, 1983 728-734
- Sharma, H. G. & Kumar, M. Finite element method in the flow of a second-order fluid between two porous coaxial circular cylinders with suction and injection 17, 1986 1154-1163; Numerical solution of the flow under an enclosed rotating disc with uniform suction and injection 18, 1987 752-762
- Sharma, H. G. & Singh, K. R. Flow of a non-Newtonian second-order fluid between torsionally oscillating discs with uniform suction and injection 17, 1986 931-942, Heat transfer in the flow of a non-Newtonian second-order fluid between torsionally oscillating Discs 16, 1985 1044-1050; Numerical solution of the flow of a second-order fluid through a channel with porous walls under a transverse magnetic field 17, 1986 1231-1241
- Sharma, J. K. *See* Gupta, A. K. & Sharma, J. K.
- Sharma, J. N. Reflection of thermoelastic waves from the stress-free insulated boundary of an anisotropic half-space 19, 1988 294-304
- Sharma, J. N. *See* Chand, D. & Sharma, J. N.
- Sharma, J. N. & Singh, H. Thermoelastic surface waves in a transversely isotropic half-space with thermal relaxations 16, 1985 1202-1220

- Sharma, J. P. On some transformations of the generalized isothermal equation (GIE) and Pade approximants 12, 1981 119-128; Planetary structures - An analytical approach 15, 1984 709-712
- Sharma, J. S. & Johri, A. K. Free convection flow of an elastico-viscous fluid between two parallel walls in the presence of heat source 13, 1982 1090-1097; *also see* Johri, A. K. & Sharma, J. S.
- Sharma, K. *See* Gupta, A. P. & Sharma, K.
- Sharma, K. C. *See* Vaishampayan, S. V. & Sharma, K. C.
- Sharma, K. P. *See* Gupta, A. P. & Sharma, K. P.
- Sharma, L. K. & Sharma, G. S. Recurrence relations for the coefficients of asymptotic expansions for prolate spheroidal and ellipsoidal wave equations 14, 1983 1278-1295
- Sharma, M. B., Kumar, P. & Sharma, G. C. A limited multiserver queue without passing 14, 1983 935-939
- Sharma, P. L. *See* Yuel, A. K. & Sharma, P. L.
- Sharma, P. R. & Chaudhary, R. C. Boundary layer flow of an Oldroyd fluid along a vertical wall 15, 1984 255-262
- Sharma, R. *See* Duggal, K. L. & Sharma, R.
- Sharma, R. C. & Rani, N. Effect of suspended particles on thermosolutal convection in porous medium 18, 1987 178-185; Hall effects on thermosolutal instability of a plasma 19, 1988 202-207
- Sharma, R. D. *See* Purohit, G. N. & Sharma, R. D.
- Sharma, R. K. On mean orbital elements computation for near-earth orbits 21, 1990 468-474
- Sharma, R. K. & Mani, L. Study of RS-1 orbital decay with KS differential equations 16, 1985 833-842
- Sharma, S. *See* Patwardhan, G. A. & Sharma, S.
- Sharma, S. P. *See* Pandey, S. N., Gupta, Y. K. & Sharma, S. P.
- Sharma, S. R. Complete solutions of equations of conditions for four-stage fourth order Runge-Kutta-Nystrvm method 14, 1983 692-698
- Sharma, U. *See* Mishra, R. S., Pandey, S. B. & Sharma, U.
- Sharma, V. & Tripathy, K. C. Satake diagrams, Iwasawa and Langlands decompositions of classical Lie superalgebras  $A(m, n)$ ,  $B(m, n)$  and  $D(m, n)$  19, 1988 1060-1076; Satake diagrams, Iwasawa decomposition and the exceptional lie group  $F_4(-20)$  16, 1985 55-66
- Sharma, V. D. & Radhe Shyam. Regular reflection of a shock wave from a rigid wall in a steady plane flow of a vibrationally relaxing gas 15, 1984 15-22
- Shastri, R. P. & Kasture, D. Y. A note on Bihari type inequalities in two independent variables 19, 1988 659-663
- Shawagfeh, N. T. *See* Alawneh, A. D. & Shawagfeh, N. T.



- Shen, C. Y. *See* Pechlaner, E. & Shen, C. Y.
- Shen, C. Y. States in counting processes 14, 1983 1490-1499
- Shenoy, B. G. *See* Kumar, S & Shenoy, B. G.
- Sheth, I. H. *See* Patel, J. M. & Sheth, I. H.
- Shinouda, M. R. Bending of a concentrically supported thin circular plate under a linearly varying load along an inner concentric circle 14, 1983 270-279
- Shirali, S. Generalized solution of a nonlinear elliptic boundary value problem of astrophysics 12, 1981 393-399
- Shri Ram & Pandey, H. S. Curvature collineations in certain cosmological space-time 13, 1982 1200-1203
- Shrivastava, P. N. *See* Lala, A. & Shrivastava, P. N.
- Shukla, D. P. Certain transformations of generalised hypergeometric series 12, 1981 994-1000; *also see* Nautiyal, A. & Shukla, D. P.
- Shukla, H. S. *See* Prasad, B. N., Shukla, H. S. & Singh, D. D.
- Shukla, R. *See* Rao, A. S. H., Shukla, R. & Rao, B. K.
- Shukla, R. K. *See* Sri Hari Rao, A., Shukla, R. K. & Kesava Rao, B.
- Shukla, R. K. *See* Yadaiah, D. & Shukla, R. K.
- Shukla, S. L. *See* Dashrath & Shukla, S. L.; *also see* Kumar, V. & Shukla, S. L.
- Shukla, S. L. & Kumar, V. On the products of close-to-starlike and close-to-convex functions 16, 1985 279-290, Remarks on a paper of Patil and Thakare 13, 1982 1513-1525
- Shukla, S. N. *See* Pandey, T. N. & Shukla, S. N.
- Shukla, V. P. Effects of dispersive migration on stability of two species-system in two-dimensional habitats under non-uniform reservoir conditions 15, 1984 781-794
- Shukla, V. S. *See* Sharma, C. K. & Shukla, V. S.
- Siddiqui, A. *See* Singh, A. K., Prasad, Y. N. & Siddiqui, A.
- Siddiqui, A., Prasad, Y. N. & Singh, A. K. Integrals involving spheroidal wave functions 12, 1981 1336-1342
- Sidharth, B. G. & Maqbool, M. A note on the minimum potential strength 19, 1988 896-900
- Sidhu, R. S. *See* Mittal, J. P. & Sidhu, R. S.
- Simon, R. *See* Mukunda, N., Simon, R. & Sundarshan, E. C. G.
- Singare, V. M. A note on some fundamental partial integral inequalities 12, 1981 1343-1349
- Singare, V. M. & Pachpatte, B. G. Lower bounds on some integral inequalities in  $n$  independent variables 12, 1981 319-331
- Singh, A. *See* Rai, B. & Singh, A.
- Singh, A. *See* Singh, B. B. & Singh, A.

- Singh, A. & Gupta, K. C. Linear wave propagation in non-homogeneous viscoelastic semi-infinite rod 15, 1984 171-186; Propagation of discontinuities of displacement derivatives in nonhomogeneous viscoelastic media 15, 1984 1272-1288
- Singh, A. K. *See* Mukherjee, R. N. & Singh, A. K.; *also see* Siddiqui, A., Prasad, Y. N. & Singh, A. K.; *also see* Singh, U. P. & Singh, A. K.
- Singh, A. K. Some theorems in an almost product and almost decomposable manifold 15, 1984 473-478; The curvature of a congruence relative to a vector field of a complex Finsler hypersurface 16, 1985 345-354
- Singh, A. K., Prasad, Y. N. & Siddiqui, A. H-functions and large deflection of a circular plate 13, 1982 545-550
- Singh, A. N. & Mukherjee, R. N. Asymptotic behaviour of non-linear volterra equation of convolution type with perturbation 18, 1987 410-418
- Singh, A. P. Applications of Nevanlinna Theory to differential equations 14, 1983 1228-1232; On order of homogeneous differential polynomials 16, 1985 791-795
- Singh, B. & Kumar, R. Brachistochrone problem in nonuniform gravity 19, 1988 575-585
- Singh, B. & Lal, J. Kantorovich method in magnetohydrodynamic flow problems through channels 15, 1984 1048-1063; Numerical and analytical solutions of heat transfer in Poiseule flow with discontinuity in the wall temperature 16, 1985 1529-1540; Quadratic finite elements in steady MHD channel flows with non-conducting walls 14, 1983 1464-1473
- Singh, B. B. Asymptotic behaviour of similar profiles 17, 1986 1067-1072
- Singh, B. B. & Kumar, A. Flow of a second order fluid due to the rotation of an infinite porous disk near a stationary parallel porous disk 20, 1989 931-943
- Singh, B. B. & Ram, A. On  $n$ -flat Finsler spaces 16, 1985 465-472
- Singh, B. B. & Singh, A. Asymptotic behaviours of MHD Falker-Skan and corresponding heat-transfer equations 18, 1987 640-647
- Singh, B., Lal, J. & Agarwal, P. K. Finite element method for unsteady MHD channel flow with arbitrary wall conductivity and orientation of applied magnetic field 16, 1985 1390-1398
- Singh, D. *See* Thakkar, D. K. & Singh, D.
- Singh, D. D. *See* Prasad, B. N., Gupta, B. N. & Singh, D. D.
- Singh, D. D. *See* Prasad, B. N., Shukla, H. S. & Singh, D. D.
- Singh, D. K. *See* Abdussattar & Singh, D. K.
- Singh, G. *See* Singh, K. P. & Singh, G.
- Singh, G. *See* Sinha, B. B. & Singh, G.
- Singh, G. & Jain, R. K. Criterion for regular prime self  $\pi$ -injective rings 15, 1984 341-342
- Singh, G. R. *See* Singh, M. & Singh, G. R.

- Singh, H. *See* Chander, R. & Singh, H, also *see* Sharma, J N & Singh, H
- Singh, H. Thermal stresses in an infinite cylinder 12, 1981 405-418
- Singh, H. C. *See* Mishra, S B. & Singh, H. C.
- Singh, H. P. & Mishra, R. B. Legendre transformation in steady plane MHD flows of a viscous fluid 18, 1987 100-110
- Singh, H. P. & Tripathi, D. D. A class of exact solutions in plane rotating MHD fluid flows 19, 1988 677-687
- Singh, I. *See* Sharma, C K. & Singh, I.
- Singh, I. J. *See* Johri, V. B., Goswami, G. K. & Singh, I. J
- Singh, J. *See* Deshwal, P. S. & Singh, J.
- Singh, J. B. & Vishwakarma, P. R. A self-similar flow behind a cylindrical shock wave with thermal radiation in magnetogasdynamics 15, 1984 313-322
- Singh, J. N. *See* Prasad, B. N. & Singh, J. N.
- Singh, J. N. *See* Prasad, B. N., Singh, V P. & Singh, J. N.
- Singh, J. N. *See* Sanyal, D. C. & Singh, J. N.
- Singh, J. P. *See* Roy, S. S. & Singh, J. P.
- Singh, K. A necessary and sufficient condition for a group to be the multiplicative group of a field 16, 1985 757-761
- Singh, K. *See* Tiwari, R. & Singh, K.
- Singh, K. & Dubey, G. C. Axisymmetric problem for rigid disc in an infinite elastic cylinder embedded in an infinite elastic material surrounding it 16, 1985 395-410; Axisymmetric stress distribution in a bonded cylinder with an external crack 16, 1985 673-694; Spherical cavity in a semi-infinite solid with its free surface rigidly clamed 17, 1986 726-744, The distribution of thermal stress in a bonded cylinder with an external crack 17, 1986 856-870
- Singh, K. N. *See* Lal, S N & Singh, K N
- Singh, K. P. & Singh, G. Curvature collineations for the field of gravitational waves 12, 1981 144-150
- Singh, K. P. & Singh, O. N. A charged perfect fluid distribution of class-one 13, 1982 1307-1312
- Singh, K. R. *See* Sharma, H G & Singh, K R
- Singh, L. S. *See* Srivastava, A N. & Singh, L. S.
- Singh, M. Influence of couple stresses on singular stress concentration in microelastic solids 14, 1983 1056-1074
- Singh, M. & Singh, G. R. The structure of rotating polytropes 13, 1982 265-272
- Singh, M. & Verma, P. D. S. Microfluid fluid flow through a circular tube with internal heat generation 16, 1985 527-536
- Singh, M. K. Extending the theory of linearization of a quadratic transformation in genetic algebra

- 19, 1988 530-538; *also see* Prasad, K. C., Singh, M. K. & Das, R. K.
- Singh, M. N. & Ray, B. K. Fixed and periodic points for sets of operators 12, 1981 927-929
- Singh, M. P. *See* Aminataei, A., Sharan, M. & Singh, M. P.; *also see* Sharan, M. & Singh, M. P.
- Singh, M. P., Gupta, J. L. & Bujurrke, N. M. On singular perturbation problems in quantum mechanics 14, 1983 1007-1025
- Singh, N. *See* Bhagwat, N. & Singh, N.
- Singh, N. *See* Singh, R. P. & Singh, N.
- Singh, N. L. Unsteady flow of a viscoelastic fluid in a porous channel 14, 1983 1362-1366
- Singh, O. N. *See* Singh, K. P. & Singh, O. N.
- Singh, P, Misra, J. K. & Narayan, K. A. Three dimensional convective flow and heat transfer in a porous medium 19, 1988 1130-1135
- Singh, P. & Singh, P. Integral representation of functions in certain classes of univalent functions 12, 1981 459-471
- Singh, P. & Tygel, M. On some univalent functions in the unit disc 12, 1981 513-520
- Singh, R. *See* Nath, P. & Singh, R.
- Singh, R. *See* Singh, S. & Singh, R.
- Singh, R. B. Recurrence relations for the generalized polynomial set 12, 1981 614-620
- Singh, R. K. & Chandrakumar, R. D. Some results on composition operators 14, 1983 1233-1237
- Singh, R. K. & Komal, B. S. Quasinormal composition operators 13, 1982 8-12
- Singh, R. K. & Veluchamy, T. Spectra of normal composition operators on  $L^2$  spaces 16, 1985 1123-1131
- Singh, R. N. *See* Sinha, B. B. & Singh, R. N.
- Singh, R. P. & Singh, N. Conditions implying unicity 12, 1981 200-204
- Singh, R. S. On Liouville form of the line-element in general relativity 21, 1990 182-184
- Singh, R. S. & Srivastava, R. On coflat Modules I 21, 1990 633-638
- Singh, S. Seminormability of certain ring topologies on Dedekind domains 16, 1985 1465-1471
- Singh, S. & Manchanda, P. On complete integral closure of G-domain 20, 1989 884-886
- Singh, S. & Saluja, K. S. Locally bounded ring topologies on global fields 14, 1983 919-929
- Singh, S. & Singh, R. On new subclasses of close-to-convex functions 12, 1981 743-748; Starlikeness of close-to-convex function 13, 1982 190-194
- Singh, S. J. A note on the expansion of cylindrical eigenvectors in terms of spherical eigenvectors 14, 1983 175-178; *also see* Garg, N. R. & Singh, S. J.

- Singh, S. K. On Wagner spaces of  $W_p$ -scalar curvature 20, 1989 136-140
- Singh, S. K. & Sharma, G. C. Reliability of series system with spares 21, 1990 285-289
- Singh, S. L. Corrigendum. 14, 1983 1075-1076
- Singh, S. L. & Kashara, S. On some recent results on common fixed points 13, 1982 757-761
- Singh, S. N. & Bala, R. N. group-theoretic origins of certain generating functions of the modified Laguerre polynomials 17, 1986 512-521
- Singh, S. N. & Nirmala Devi. Some applications of the theorems of Srivastava and Lavoie 16, 1985 165-169
- Singh, S. N. & Rai, B. K. A characterization of the appell set  $D_n(x, a, k)$  13, 1982 601-605
- Singh, S. N. & Singh, S. P. Transformation of Kampi de Firket function 13, 1982 1163-1166; *also see* Carbone, A. & Singh, S. P.; *also see* Carbone, A., Rhoades, B. E. & Singh, S. P.; *also see* Chaudhary, S. S. & Singh, S. P.; *also see* Massa, S., Roux, D. & Singh, S. P.; *also see* Sehgal, V. M., Singh, S. P. & Watson, B.; *also see* Singh, S. N. & Singh, S. P.
- Singh, S. P., Chadda, G. C. & Sinha, A. K. A model for micropolar fluid film mechanism with reference to human joints 19, 1988 384-394; Propagation characteristics in distensible tubes containing a dusty viscous fluid 19, 1988 906-914
- Singh, T. & Raghuwanshi, B. P. Degree of approximation by linear operators 21, 1990 823-832
- Singh, U. P. & Gupta, B. N. Generalization of Gauss-Codazzi equations for intrinsic  $h\nu$ -curvature tensor and hypersurface of Finsler spaces with special forms of  $P_{h\nu k}$  and  $P_{ijk}$  18, 1987 419-431
- Singh, U. P. & Singh, A. K. Finsler spaces admitting recurrent neo-pseudo projective tensor fields 12, 1981 1201-1207; On the N-curvature collineation in Finsler space II 12, 1981 1208-1212
- Singh, U. P., Agrawal, P. N. & Prasad, B. N. On a special form of T-tensor and T2-like Finsler space 13, 1982 997-1005, On Finsler spaces with T-tensor of some special forms 13, 1982 172-182
- Singh, V. *See* Agrawal, H. L., Ram, P. C. & Singh, V.
- Singh, V. *See* Kaul, B. N. & Singh, V.
- Singh, V. & Paul, S. Constrained extremal problems for symmetric functions with real part positive 12, 1981 492-512
- Singh, V. B. *See* Narain, K., Singh, V. B. & Lal, M.
- Singh, V. P. *See* Prasad, B. N., Singh, V. P. & Singh, J. N.
- Singh, V. P. *See* Prasad, B. N., Singh, V. P. & Singh, Y. P.
- Singh, V. P. & Gupta, V. Roche harmonics for stellar models distorted by differential rotation 20, 1989 284-291
- Singh, V. P. & Yogi, A. M. N. Flow

- behind weak and strong shock waves in water 20, 1989 194-204
- Singh, Y. P. *See* Prasad, B. N., Singh, V. P. & Singh, Y. P.
- Singhal, J. P. *See* Savita Kumari & Singhal, J. P.
- Singhal, J. P. & Joshi, C. M. On the unification of generalized Hermite and Laguerre polynomials 13, 1982 904-906
- Singhal, J. P. & Kumari, S. On a new series transform and its convolution 14, 1983 1348-1351; On the inversion formula 13, 1982 907-911
- Sinha Roy, J. & Chaudhury, N. K. The steady laminar viscoelastic flow due to a rotating disk with suction 14, 1983 581-587
- Sinha, A. K. *See* Singh, S. P., Chadda, G. C. & Sinha, A. K.
- Sinha, A. K. & Chadda, G. C. Steady laminar viscous flow down an open inclined channel with a bed of varying permeability 15, 1984 1004-1013
- Sinha, B. B. & Matharoo, A. S. On Finsler spaces of constant curvature 17, 1986 66-73; On semi-C-reducible  $*P$ -Finsler space 16, 1985 601-608; On the equality of curvature tensors in special Finsler spaces 17, 1986 308-317
- Sinha, B. B. & Ram, A. On  $h$ -flat Finsler spaces 16, 1985 591-600
- Sinha, B. B. & Singh, G. Finsler space with recurrent neo-pseudo projective curvature tensor 12, 1981 1063-1068
- Sinha, B. B. & Singh, R. N. Conformal infinitesimal transformations of hyperbolic contact metrix structure 15, 1984 608-612
- Sinha, B. B. & Yadav, R. K. On almost contact Finsler structures on vector bundle 19, 1988 27-35; On almost unified contact Finsler structures and connections 20, 1989 887-892
- Sinha, B. B. & Yadav, R. N. CR submanifolds of a  $GF$ -structure manifold-I 18, 1987 922-930
- Sinha, B. B. & Yadava, S. L. Almost product structures on tangent bundle 12, 1981 61-70
- Sinha, D. P. *See* Jain, P. K., Kaushik, S. K. & Sinha, D. P.
- Sinha, R. On the inclusion relations between  $L^r(\mu)$  and  $L^5(\mu)$  13, 1982 1046-1048
- Sinha, R. & Kant, V. Homogeneous Banach spaces of distributions 15, 1984 879-884
- Sinha, R. S. & Lal, H. C. Some commutation formulae of a complex manifold with direction dependent connections 12, 1981 1069-1077; Totally real submanifolds of a Kaehlerian manifold with semi-symmetric metric  $F$ -connections 13, 1982 1018-1023
- Sinha, S. M. & Aylawadi, D. R. Optimally conditions for a class of non-differentially fractional programming problem 14, 1983 167-174
- Sinha, S. R. & Prasad, K. On a sequence of Fourier coefficients 14, 1983 1245-1252

- Sirajudeen, S. M. Matrix transformations of  $co(p)$ ,  $l^\infty(p)$ ,  $l^p$  and  $l$  into  $\chi$  12, 1981 1106-1113; *also see* Somasundaram, D. & Sirajudeen, S. M.
- Sirajudeen, S. M. & Mohamed Essa, M. Matrix transformations of  $l(p)$  and  $bv$  into  $\chi$  14, 1983 1148-1156
- Sita Ramaiah, V. On the  $\psi$ -product of D. H. Lehmer 16, 1985 994-1008
- Sita Ramaiah, V. & Suryanarayan, D. An order result involving the  $\delta$ -function 12, 1981 1192-1200; Asymptotic results on sums of some multiplicative functions 13, 1982 772-784
- Sitaram, B. R. Cohomology theory of the Virasoro algebra 16, 1985 1263-1266
- Sitaram, B. R. & Tripathy, K. C. Cohomology theory of graded Lie Algebras 13, 1982 672-675
- Sitaram, K. & Suvarna, K. Some prime assosymmetric rings 18, 1987 1103-1106
- Sitaramachandrarao, R. On an error term of Landau 13, 1982 882-885; *also see* Koninck, J. M. D. & Sitaramachandrarao, R.; Some formulae of S. Ramanujan 18, 1987 678-684
- Sitaramachandrarao, R. & Davis, B. Behaviour of  $\log n(\tau)$  at a rational point 18, 1987 111-121; Some identities involving the Riemann Zeta function II 17, 1986 1175-1186
- Sitaramaiah, V. On the  $\psi$ -product of D. H. Lehmer-II 19, 1988 1-10; On the existence of unity in Lehmer's  $\psi$ -product ring 20, 1989 1184-1190
- Sitaramayya, M. On Petrov canonical form of a Kaehler-einstein curvature tensor 16, 1985 1432-1438
- Sithapathi, A. K. *See* Vidyanidhi, V., Chenchu Raju, V. C. & Sithapathi, A. K.
- Sivaprasad, R., Prasad Rao, D. R. V. & Krishna, D. V. Hall effects on unsteady MHD free and forced convection flow in a porous rotating channel 19, 1988 688-696
- Sivaraj, D. A note on extremally disconnected spaces 17, 1986 1373-1375
- Smith, T. J. & Takhar, H. S. Circulation and mass transfer in a sediment induced density current 14, 1983 478-488
- Sodupe, M. J. & Gracia, J. M. Fixed point theorems for contraction mappings in vector norm 15, 1984 719-726
- Sohi, N. S. *See* Goel, R. M. & Sohi, N. S.; *also see* Goel, R. M. & Sohi, N. S.
- Soliman, M. A. & Abdel-All, N. H. A Classification of line complexes immersed in quasi-hyperbolic spaces  $S_3$  that based on the mobility of a repere 13, 1982 323-328; A Classification of line complexes that is based on three symmetrical matrices 13, 1982 334-340; Class of line complexes in the second differential neighbourhood of the ray in the flag space  $F_3$  13, 1982 121-126; Classification of line complexes in the flag space  $F_3$  13, 1982 317-322; Three-dimensional line manifolds with a symmetric matrix 13, 1982 329-333
- Soliman, M. A., Abdel-All, N. H. &

- Hassanien, S. F. The Klein image of a line complex which admit a stratification of a non  $W$ -congruences 16, 1985 886-891
- Som, T. See Mukherjee, R. N. & Som, T
- Som, T. See Prasad, S., Mukherjee, R. N. & Som, T.
- Som, T. Some fixed point theorems on metric and Banach spaces 16, 1985 575-585
- Som, T. & Mukherjee, R. N. Fixed point theorems in  $L$ -space 14, 1983 635-640
- Soma Raju, V. & Rudraiah, N. Effect of normal blowing on the hydrodynamic flow between two differentially rotating infinite disks 17, 1986 1412-1423
- Somaraju, V. & Balasubramanian, R. Ekman-Hartmann layer on a free surface 18 1987 442-450
- Somasundaram, D. Inclusion theorems on matrix transformations of some sequence spaces over non-Archimedean fields IV 20, 1989 260-266; Linear functionals on the spaces of entire functions of several variables over non-archimedean fields 12, 1981 722-727; also see Choudhary, B., Somasundaram, D. & Bhatia, S.; Matrix transformations over non-Archimedean fields 16, 1985 643-648
- Somasundaram, D. & Balachandran, K. Relative controllability of a class of nonlinear systems with delay in control 14, 1983 1327-1334
- Somasundaram, D. & Saraswathi, V. On some intrinsic properties of locally Lindelöf spaces 15, 1984 135-138
- Somasundaram, D. & Sirajudeen, S. M. Matrix transformations of some generalized sequence spaces and convolution of summability methods 14, 1983 202-206
- Somasundaram, D. & Thamizharasi, R. A note on the entire functions of  $L$ -bounded index and  $L$ -type 19, 1988 284-293, On entire functions of  $L$ -bounded index 14, 1983 330-344
- Song, G. D. & Yang, C. C. Further growth properties of composition of entire and meromorphic functions 15, 1984 65-82
- Soni, R. C. See Gupta, K. C., Agrawal, S. M. & Soni, R. C
- Sood, S. K. See Gupta, J. R., Bhardwaj, U. D. & Sood, S. K.
- Sood, S. K. See Gupta, J. R., Sood, S. K. & Pathania, R. C.; also see Gupta, J. R., Sood, S. K. & Shandil, R. G.
- Soundalgekar, V. M. Oscillatory flow past an infinite vertical porous plate with mass transfer 13, 1982 392-410; also see Takhar, H. S. & Soundalgekar, V. M.
- Soundalgekar, V. M. & Akolkar, S. P. Effects of external circuit on heat transfer in MHD Couette flow 13, 1982 501-506
- Soundalgekar, V. M. & Bhat, J. P. Oscillatory MHD channel flow and heat transfer 15, 1984 819-828
- Soundalgekar, V. M., Ramana Murthy, V. T. & Takhar, H. S. Heat transfer in MHD unsteady stagnation point flow with variable wall temperature 21, 1990 384-389
- Spearman, B. K. & Willimas, K. S. A



- simple proof of Einstein's reciprocity law from Stickelberger's Theorems 17, 1986 169-174
- Spiegel, E. On the matrix roots of  $f(X) = A$  19, 1988 854-864
- Spikes, P. W. See Graff, J. R., Grammatikopoulos, M. K. & Spikes, P. W.
- Sreenadh, S. See Ramakrishna, S., Sreenadh, S. & Arunachalam, P. V.
- Sreenivas Rao, B. N. Bending of an incompressible Aelotropic circular block into a hyperboloidal shell 21, 1990 88-94
- Sreenivasulu, V. A metric for non-Archimedean entire functions 13, 1982 1147-1148
- Sri Hari Rao, A., Shukla, R. K. & Kesava Rao, B. Second-order elasticity for a class of incompressible transversely isotropic elastic materials 17, 1986 694-704
- Sridharan, M. R. & George, O. T. On B-graphs 12, 1981 1088-1093
- Srimani, P. K. Marangoni porous convection in a cylindrical geometry-Part 1: Surface tension effects dominant 21, 1990 763-774
- Srimani, P. K. & Anamika, B. M. Marangoni porous convection in a cylindrical geometry-Part 2: Buoyancy effects dominant 21, 1990 775-780
- Srinivas, T. A note on the radicals in normed near-algebra 21, 1990 989-994; also see Yugandhar, K., Gopal Rao, K. R. & Srinivas, T.
- Srinivas, T. & Yugandhar, K. A note on Normed near-algebras 20, 1989 433-438
- Srinivasa Rao, H. Generalized orthogonality relation for the flexure of sectorial plates 19, 1988 433-442
- Srinivasa Rao, K. & Rajeswari, V. On the sets of generalized hypergeometric functions and the Regge, Bargmann-Shelepin arrays for the  $e$ - and  $G$ -coefficients 20, 1989 1230-1236
- Srinivasa, B. R. See Nagaraj, M. & Srinivasa, B. R.
- Srinivasan, N. See Kulkarni, S. H. & Srinivasan, N.
- Srinivasan, N. See Kulkarni, S. H. & Srinivasan, N.
- Srinivasan, S. Anisotropic propagation of sonic waves through thermally conducting and radiating gases 12, 1981 544-551; Flow variations behind a curved shock in an ideal dissociating gas 12, 1981 530-536
- Srivastava, A. A note on Swan modules 20, 1989 1067-1076
- Srivastava, A. See Mishra, R. K., Srivastava, A., Bhaumik, K. & Chaudhary, S. S.
- Srivastava, A. N. Generating functions for the Konhauser polynomials  $Y_n^\alpha(x, k)$  13, 1982 762-768
- Srivastava, A. N. & Singh, L. S. A note on a class of polynomials 14, 1983 181-184
- Srivastava, B. L. See Juneja, O. P. & Srivastava, B. L.
- Srivastava, G. S. See Kumar, A. & Srivastava, G. S.

- Srivastava, G. S.** See Vaish, S. K. & Srivastava, G. S.
- Srivastava, G. S. & Juneja, O. P.** On entire functions of perfectly regular growth 16, 1985 899-904
- Srivastava, G. S. & Kumar, N.** On generalized means of an entire function with index pair  $(p, q)$  16, 1985 892-898
- Srivastava, G. S. & Rani, S.** On the approximation of analytic functions represented by Dirichlet series 19, 1988 167-176
- Srivastava, J. K.** On a function space as another generalization of Iyer's space of integral functions 18, 1987 337-346
- Srivastava, K. B.** On weighted  $L^p$ -convergence of certain Lagrange interpolation 16, 1985 67-72
- Srivastava, K. N., Palaiya, R. M. & Karaulia, D. S.** Diffraction of SH waves by two coplanar Griffith cracks at the interface of two bonded dissimilar elastic half-spaces 12, 1981 242-252
- Srivastava, L.** See Prasad, B. N. & Srivastava, L.
- Srivastava, P. D.** See Nanda, S., Srivastava, P. D. & Nayak, K. C.
- Srivastava, R.** See Sarma, G. N. & Srivastava, R.
- Srivastava, R.** See Singh, R. S. & Srivastava, R.
- Srivastava, R. K.** See Agarwal, R. P. & Srivastava, R. K.
- Srivastava, R. S. L.** See Mishra, K. N. & Srivastava, R. S. L.
- Srivastava, R. S. L.** See Nandan, K. & Srivastava, R. S. L.
- Srivastava, T. N.** On the linear combination of stochastic variables 14, 1983 64-69
- Srivastava, U. N. & Usha, S.** Magneto-fluid dynamic boundary layer on a moving continuous flat surface 18, 1987 741-751
- Srurma Devi, C. D., Nagaraj, M. & Nath, G.** Heat and mass transfer in unsteady magneto- hydrodynamic flow over a semi-infinite flat plate 15, 1984 1148-1161
- Stanley, T. E. & Bhattacharyya, R.** Subgroup theoretical properties determining classes of generalized nilpotent groups 13, 1982 732-740
- Stanley, T. E. & Cox, P. R.** A class of generalized nilpotent groups 15, 1984 749-752
- Sthanumoorthy, N.** Eta function and spectral asymmetry for  $S^{4r-1}$  21, 1990 971-976; Spectral invariant of the Zeta function of the Laplacian on  $S^{4r-1}$  19, 1988 407-414
- Stojakovic, M.** A common fixed point theorem for the commuting mappings 17, 1986 466-475
- Straight, J.** See Bodroza, R. T. O, Kwong, Y. H. H. & Straight, J.
- Stratigos, P. D.** See Bachman, G. & Stratigos, P. D.
- Subbiah, M.** See Thulasi, V. & Subbiah, M.
- Subbiah, M. & Jain, R. K.** On the Taylor-Goldstein problem in hydrodynamic stability 18, 1987 1016-1022

- Subrahmanyam, P.** See Suryanarayana, D. & Subrahmanyam, P.
- Subrahmanyam, P. V.** Jacobi integral for the system of two extended configurations (Binary galaxies) and an infinitesimal particle (a star) **14**, 1983 1357-1361
- Subrahmanyam, P. V.** See Chitra, A. & Subrahmanyam, P. V.
- Sudharsanam, N.** See Balakrishnan, R. & Sudharsanam, N.
- Sudarshan, E. C. G.** See Mukunda, N., Simon, R. & Sudarshan, E. C. G.
- Sukavanam, N.** A note on the Chandrasekhar's X-function **19**, 1988 443-447
- Sukla, I.** Absolute harmonic summability factors for conjugate series of a Fourier series **12**, 1981 1429-1437; On inclusion relation between absolute Riesz and Nvrlund means **12**, 1981 95-102
- Sukla, I. & Mohanty, P. C.** Absolute Riesz summability factors **16**, 1985 1162-1180
- Sulaiman, W. T.** Multipliers for  $(C, 1)$  summability of Jacobi series **18**, 1987 1121-1130
- Sumini, M.** See Coppa, G., Ravetto, P. & Sumini, M.
- Sun, J. & Nasim, C.** The Fourier transform approach to general B-splines **14**, 1983 811-829
- Sunandakumari, V. M.** See Ramanujan, N. & Sunandakumari, V. M.
- Sundararajan, N.** See Anand Babu, L., Mohan, N. L., Sundararajan, N. & Sesoagiri Rao, S. V.
- Sunder, V. S.** On ideals and duals of  $C^*$ -algebras **15**, 1984 601-608
- Suneja, S. K.** See Lyall, V. & Suneja, S. K.
- Suresh Kumari & Babu Ram.**  $L^1$ -convergence of a modified cosine sum **19**, 1988 1101-1104
- Suresh Kumari.** See Babu Ram & Suresh Kumari
- Suri, P. K. & Suri, P. R.** Effect of static magnetic field on blood flow in a branch **12**, 1981 907-918
- Suri, P. K. & Verma, P. D. S.** Mathematical simulation of unsteady blood flow in branched arteries **13**, 1982 1172-1191
- Suri, P. R.** See Suri, P. K. & Suri, P. R.
- Surma Devi, C. D. & Nath, G.** Similarity solutions of the unsteady boundary layer equations for a moving wall **17**, 1986 1405-1411
- Surma Devi, C. D., Nagaraj, M. & Nath, G.** Unsteady hypersonic magnetic boundary layer flow of an electrically conducting rarefied gas with magnetic field at the stagnation point of a rotating body of revolution **16**, 1985 916-930
- Surma Devi, C. D., Takhar, H. S. & Nath, G.** Unsteady laminar boundary layer forced flow over a moving wall with a magnetic field **19**, 1988 786-802
- Suryanarayana, D.** See Sita Ramaiah, V. & Suryanarayan, D.; also see Sita Ramaiah, V. & Suryanarayana, D.; Some more remarks on uniform  $O$ -estimate for  $k$ -free integers **12**, 1981 1420-1424

- Suryanarayana, D. & Subrahmanyam, P. The maximal  $k$ -full divisor of an integer 12, 1981 175-190
- Suryanarayanan, S. Stable and pseudo stable near rings 19, 1988 1206-1216
- Suvarna, K. See Sitaram, K. & Suvarna, K
- Swaleh, M. See Khan, M. S. & Swaleh, M
- Swaminathan, V. See Madhavan, N S & Swaminathan, V.
- Swaminathan, V. & Ganapathy, M. K.  $[j, f(x)]$  summability of Legendre series 12, 1981 88-94
- Swamy, S. R. See Bhoosnurmath, S. S. & Swamy, S. R.
- Swamy, U. M. & Rao, G. C. On a conjecture in a ring or arithmetic functions 14, 1983 1519-1530
- Swesi, G. See Bhagat, B. & Swesi, G.
- Syam Babu, M. See Pillai, K. J., Varma, S. V. K. & Syam Babu, M.
- Tajuddin, M. Rayleigh waves on a concave cylindrical poroelastic surface 13, 1982 1278-1282; Torsional vibrations of finite composite poroelastic cylinders 13, 1982 375-381
- Takhar, H. S. & Liddament, M. W. Aero-diffusion method of estimating evaporation in a non-stratified atmosphere 14, 1983 412-426
- Takhar, H. S. MHD flow with heat and mass transfer due to a point sink 17, 1986 1242-1247; also see Smith, T. J. & Takhar, H. S.; also see Soundalgekar, V. M., Ramana Murty, V. T. & Takhar, H. S.; also see Surma Devi, C. D., Takhar, H. S. & Nath, G.
- Takhar, H. S. & Halim, M. A. Moisture transfer in a thermally stratified turbulent atmosphere 15, 1984 695-708
- Takhar, H. S. & Liddament, M. W. Estimating evaporation in a stratified atmosphere 14, 1983 462-477
- Takhar, H. S. & Soundalgekar, V. M. Flow and heat transfer of a micropolar fluid past a porous plate 16, 1985 552-558
- Tan, D. H. On continuity of fixed points of multivalued collectively condensing mappings 15, 1984 631-632
- Taskovic, M. R. Some results in the fixed point theory III 17, 1986 1094-1100
- Tejpal, S. See Kishore, N., Tejpal, S. & Tiwary, R. A.; also see Newal Kishore, Tejpal, S & Katiyar, H K
- Tewari, B. C. Charged analogue of Buchdahl's general relativistic polytrope 16, 1985 658-660
- Tewari, U. B. & Parthasarathy, K. Compact multipliers of Segal algebras 14, 1983 194-201
- Thajoddin, S. & Vangipuram, S. A note on Jordan's Totient function 19, 1988 1156-1161
- Thakare, N. K. See Madhekar, H. C & Thakare, N. K.
- Thakare, N. K. & Madhekar, H. C. Biorthogonal polynomials suggested by the Hermite polynomials 17, 1986 1031-1041; Use of Hermite's method to obtain generating functions for classical orthogonal polynomials 13, 1982 183-189

- Thakkar, D. K. & Singh, D. More about compact-expandable spaces 15, 1984 479-482
- Thakur, C. & Mishra, R. B. Hodograph transformation in constantly inclined two-phase MFD flows 20, 1989 728-735
- Thamizharasi, R. *See* Somasundaram, D. & Thamizharasi, R.; *also see* Somasundaram, D. & Thamizharasi, R.
- Thandapani, E. Gronwall, Bihari and Langenhop type inequalities for discrete Pfaffian equation 20, 1989 665-670; *See* Balachandran, K., Thandapani, E. & Balasubramanian, G.
- Thandapani, E. & Balachandran, K. Asymptotic behaviour of solutions of functional differential equations 20, 1989 1096-1106
- Thangaraj, D. & Venkatarangan, S. N. Complementary variational principles for a class of nonlinear convective mass transfer problems 16, 1985 117-125; Dual variational principles for unsteady heat conduction problem 14, 1983 1484-1489
- Thangavelu, P. On extension of maps in topological spaces 19, 1988 747-750; On strongly NBD-finite families 20, 1989 964-968
- Thatte, A. D. & Bhatt, S. J. On topologizing invertibility 15, 1984 1308-1312
- Thatte, A. D. & Joshi, A. D. Weighted  $n$ -shifts and  $M$ -Hyponormality 16, 1985 329-340
- Theenathayalan, N. On basic sequences and the weighted shift operator 18, 1987 723-731
- Thikne, S. D. & Waghmode, B. B. Stability and instability in a dust filled universe 13, 1982 1213-1220
- Thiruvengkatachar, V. R. A new derivation of the Kerr metric 13, 1982 1322-1331
- Thulasi, V. & Subbiah, M. On the stability of compressible swirling flows 20, 1989 1159-1172
- Tikekar, R. A class of spherically symmetric perfect fluid distributions in general relativity 15, 1984 289-296
- Timol, A. G. *See* Timol, M. G. & Timol, A. G.
- Timol, M. G. & Timol, A. G. Three-dimensional magneto-fluid dynamic flow with pressure gradient and fluid injection 19, 1988 208-216
- Tiryaki, A. An instability theorem for a certain sixth order differential equation 21, 1990 330-333; Periodic solutions of a certain fourth order differential equation 20, 1989 235-241
- Tiwari, A. K. Banach space valued distributional Mellin transform and form invariant linear filtering 20, 1989 493-504, Generalized Stieltjes transform of Banach space valued distributions 17, 1986 1131-1136;  $LH_a, \mu$ -spaces and delta distribution 17, 1986 800-812; On equality of spaces  $L_{a, \mu}^\beta$  and  $LH(a, \mu, \alpha) \cap LH_{a, \mu}^\beta$  17, 1986 925-930; On spaces of type  $LH(a, \mu)$  15, 1984 59-64; On the generalized Stieltjes

- transform of distributions 17, 1986 1396-1404; Some results on spaces of type  $LH(a, \mu)$  12, 1981 370-376. Topological properties  $LH(a, \mu)$  spaces 17, 1986 343-359
- Tiwari, A. K. & Chaubey, K. N. Small projective modules 16, 1985 133-138
- Tiwari, A. K. & Ko, Aye. Certain properties of a distributional generalized whittaker transform 13, 1982 348-361
- Tiwari, A. K. & Koranne, P. S. Abelian theorems for a distributional generalized Stieltjes transform 16, 1985 383-394
- Tiwari, O. P. See Roy, S. R. & Tiwari, O. P.
- Tiwari, R. See Pandey, S. N. & Tiwari, R.
- Tiwari, R. See Pandey, S. N., Pandey, H. S. & Tiwari, R.
- Tiwari, R. & Singh, K. Asymptotic analysis of the unsteady hydromagnetic boundary layers in a rotating flow 12, 1981 419-426; Effect of Hall current on unsteady hydromagnetic boundary layers in rotating dusty fluid 14, 1983 159-166
- Tiwari, S. C. & Sharma, G. C. A comparative study of some queueing models 15, 1984 597-600
- Tiwari, A. K., Pandeya, B. M. & Regmi, D. D. S. Quasi regular modules and endomorphism ring of regular modules 16, 1985 1481-1487
- Tiwari, K. & Lahiri, B. K. Fixed and periodic points under set-valued mappings 19, 1988 717-727
- Tiwary, R. A. See Kishore, N., Tejpal, S. & Tiwary, R. A.
- Tomar, J. S. & Gupta, A. K. Thermal effect on axisymmetric vibrations of an orthotropic circular plate of parabolically varying thickness 16, 1985 537-545
- Tomar, J. S., Gupta, D. C. & Jain, N. C. Free vibrations of an isotropic nonhomogeneous infinite plate of parabolically varying thickness 15, 1984 211-220
- Tong, J. A note on the number of coprime integer solutions of  $y^2 = ax^3 + k$  12, 1981 1078-1079
- Tripathi, D. D. See Singh, H. P. & Tripathi, D. D.
- Tripathi, G. P. See Kapur, J. N. & Tripathi, G. P.
- Tripathi, S. K. See Khare, S. P. & Tripathi, S. K.
- Tripathi, U. See Basu, U. & Tripathi, U.
- Tripathi, U. & Basu, U. The reflection of plane gravity waves by undulations on the seabed in presence of surface tension 17, 1986 245-259
- Tripathy, B. K. A note on generalised Nvrlund means 13, 1982 1478-1491; On the translativity and total translativity of regular matrices 14, 1983 773-790
- Tripathy, G. P. See Kapur, J. N. & Tripathy, G. P.
- Tripathy, K. C. See Mitra, B. & Tripathy, K. C.; also see Pati, K. C. & Tripathy, K. C.; also see Sharma, V. & Tripathy, K. C.; also see Sharma, V. & Tripathy, K. C.;

- Tripathy, K. C.** *See* Sitaram, B. R. & Tripathy, K. C. 370-374
- Tripathy, N. & Dash, T.** Absolute Hausdorff summability factors of a Fourier series and its conjugate series (I) 17, 1986 1376-1395; On the absolute Hausdorff summability factors of the conjugate series of a Fourier series 16, 1985 1138-1161
- Tripathy, U. K.** *See* Pradhan, G. K., Samal, P. C. & Tripathy, U. K.
- Trivedi, G. S.** *See* Beohar, B. K. & Trivedi, G. S.
- Trivedi, S. K. & Sharma, G. C.** Cost optimizing parameters in delay dependent queues with two prioritic groups 17, 1986 8-20
- Trivedi, S. K., Jain, M. & Sharma, G. C.** A delay dependent queue with preemption 15, 1984 1296-1301
- Tsagas, G. & Tsouros.** The spectrum of the Laplace operator on  $q$ -forms of a Kahler manifolds 18, 1987 611-624
- Tsouros.** *See* Tsagas, G. & Tsouros
- Tyagi, G. C. D. & Chadda, G. C.** Forced vibration of an anisotropic diaphragm with a concentric hole 14, 1983 1117-1127
- Tyagi, V.** *See* Dass, B. & Tyagi, V.
- Tygel, M.** *See* Singh, P. & Tygel, M.
- Tzivanidis, G. J.** *See* Raptis, A. A., Kafousias, N. G., Massalas, C. V. & Tzivanidis, G. J.; *also see* Raptis, A., Kafousias, N., Perdakis, C. & Tzivanidis, G.
- Umar, S.** *See* Razi, Q. & Umar, S.
- Umarani, P. G.** Spiral-like functions with fixed second coefficient 13, 1982
- Umehara, J.** *See* Maki, H., Umehara, J. & Yamamura, K.
- Ungar, A.** Higher order (-hyperbolic functions) 15, 1984 301-304
- Upreti, R.** On sequence-to-sequence transformations 13, 1982 454-457
- Upreti, R.** *See* Joshi, J. M. C. & Upreti, R.
- Usha, S.** *See* Srivastava, U. N. & Usha, S.
- Usmani, R. A.** Finite difference methods for certain two point boundary value problem 14, 1983 398-411
- Vaish, S. K. & Srivastava, G. S.** On the logarithmic order of entire Dirichlet series 16, 1985 49-54
- Vaishampayan, S. V. & Sharma, K. C.** On some properties of planar motion of satellite under gravity 21, 1990 951-964
- Vamanamurthy, M. K.** *See* Reilly, I. L. & Vamanamurthy, M. K.
- Vangipuram, S.** *See* Thajoddin, S. & Vangipuram, S.
- Varadarajan, L.** Lie theory of  $q$ -Appell function 20, 1989 977-988
- Varma, S. K.**  $[F, dn]$  summability of the conjugate-series of a derived Fourier series 14, 1983 522-529, On uniform matrix summability of a Fourier series 14, 1983 1194-1198
- Varma, S. V. & Babu, M. S.** A Brinkman model for MHD viscous incompressible flow through a porous channel 16, 1985 796-806
- Varma, S. V. K.** *See* Pillai, K. J., Varma, S. V. K. & Syam Babu, M.
- Varshney, C. L.** *See* Kumar, K. & Varshney, C. L.

- Varshney, O. P.** On the absolute matrix summability 21, 1990 1015-1024
- Varshney, V. P.** *See* Gupta, M. & Varshney, V. P.
- Vartak, M. N.** *See* Dandawate, P. N., Patwardhan, G. A. & Vartak, M. N.
- Vartak, M. N.** *See* Patwardhan, G. A., Dandawate, P. N. & Vartak, M. N.
- Vartak, M. N. & Diwanji, S. M.** The partial-row-Kronecker product of an unreduced  $(v, k)$ -BIBD 18, 1987 479-494
- Vartak, M. N. & Gupta, I.** Generalized convexity in multi-objective programming 20, 1989 10-39
- Vasavada, M. H.** *See* Mehta, R. D. & Vasavada, M. H
- Vasudeva, R. Y., Bhaskara, R. K., Govinda Rao, P. & Avadhani, B. V. S.** Sandwich plate vibration-An intracting continuum approach 18, 1987 732-740
- Vasudevaiah, M. & Majhi, S. N.** Viscous impulsive rotation of two finite coaxial disks 12, 1981 1027-1042
- Vasudevaiah, M. & Rajalakshmi, R.** Flow in a Helical pipe 19, 1988 75-85
- Vasudeviah, M. & Prasad, K. V. S. N.** Viscous impulsive rotation of an annular disk 21, 1990 1125-1136
- Vasuki, R.** A fixed point theorem for a sequence of mappings 19, 1988 827-829
- Vaz, P. T. & Deo, S. G.** On a class of linear hyperbolic differential equations 18, 1987 801-809
- Veeramani, P.** A note on some results in fixed point theory, best approximation and optimization 18, 1987 1069-1072
- Veeramani, P.** *See* Pai, D V & Veeramani, P
- Veeramani, P. & Pai, D. V.** On a fixed point theorem on uniformly convex banach spaces 13, 1982 647-650
- Veluchamy, T.** *See* Singh, R. K. & Veluchamy, T.
- Venkaiah, V. Ch.** *See* Sen, S K & Venkaiah, V Ch.
- Venkatachalappa, M., Sekar, R. & Rudraiah, N.** Finite amplitude tidal waves at the interface between two fluid saturated porous media 14, 1983 207-221
- Venkataramana, S. & Bathaiah, D.** Hydromagnetic flow of an incompressible viscous conducting fluid between two permeable beds 17, 1986 522-540
- Venkatarangan, S. N.** *See* Thangaraj, D. & Venkatarangan, S. N
- Venkatasiva Murthy, K. N.** Rotating compressible flow due to non-torsionally oscillating disk 13, 1982 973-980
- Venkatesulu.** *See* Das, P. C. & Venkatesulu
- Verma, A. & Jain, V. K.** On transformations of nearly-poised basic hypergeometric series and their applications 18, 1987 55-64; Some quadratic transformations of basic hypergeometric series and identities in Ramanujan's 'Lost' note book 19, 1988 768-785
- Verma, A. & Joshi, C. M.** Remarks on certain generalized expansions 12, 1981 343-349



- Verma, B. G. Strong magnetogasdynamic shock waves with increasing energy 13, 1982 981-988
- Verma, B. G., Vishwakarma, J. P. & Sharan, V. Converging concentric detonation waves in magnetogasdynamics 15, 1984 685-694
- Verma, C. P. *See* Gupta, U. S., Lal, R. & Verma, C. P.
- Verma, D. P. & Kaur, A. Asymptotic estimation of some alternating series of Reimann zeta function 14, 1983 280-290
- Verma, H. L. *See* Mukherjee, R. N. & Verma, H. L.
- Verma, M. Auto-parallelism and union Gaussian curvature in Riemannian space 12, 1981 427-429, Laguerre function of a hypersurface in a Finsler space 12, 1981 807-813
- Verma, M. *See* Verma, P. D. S., Rana, O. H. & Verma, M.
- Verma, P. D. & Chauhan, D. S. Slow steady flow between impermeable and naturally permeable coaxially tapered tubes 13, 1982 959-965
- Verma, P. D. S. *See* Singh, M. & Verma, P. D. S.
- Verma, P. D. S. *See* Suri, P. K. & Verma, P. D. S.
- Verma, P. D. S., Rana, O. H. & Verma, M. Magneto-elastic transverse surface waves in self-reinforced elastic solids 19, 1988 713-716
- Verma, R. K. & Begum, H. A topological ring of functions and a uniform ring of functions 15, 1984 305-312
- Verma, S. *See* Gupta, K. C., Goyal, S. P. & Verma, S.
- Verma, S. K. On absolute Nvrlund summability of Fourier series of functions of bounded variation 13, 1982 1439-1446
- Vidalis, T. Sequences of mappings converging to a contraction mapping 20, 1989 549-553
- Vidya, S. *See* Harinath, K. S. & Vidya, S.
- Vidyanidhi, V., Chenchu Raju, V. C. & Sithapathi, A. K. Heat transfer in hydromagnetic flow in a rotating straight pipe 18, 1987 633-639
- Vishwakarma, J. P. *See* Verma, B. G., Vishwakarma, J. P. & Sharan, V.
- Vishwakarma, P. R. *See* Singh, I. B. & Vishwakarma, P. R.
- Waghmode, B. B. *See* Kalyanshetti, S. B. & Waghmode, B. B.
- Waghmode, B. B. *See* Thukne, S. D. & Waghmode, B. B.
- Wali Mohd., Ch., Qureshi, M. I. & Pathan, M. A. New generating functions for hypergeometric polynomials 16, 1985 157-164
- Wankhede, P. C. On the quasi-static thermal stresses in a circular plate 13, 1982 1273-1277
- Watson, B. *See* Sehgal, V. M., Singh, S. P. & Watson, B.
- Watson, B., Meade, B. A. & Norris, C. W. Note on a theorem of Altman 17, 1986 1092-1093
- Willimas, K. S. *See* Spearman, B. K. & Willimas, K. S.
- Xenos, P. J. Classification of the Homogeneous spaces of order six 18, 1987 385-401
- Yadaiah, D. & Shukla, R. K. On temperature-rate dependent thermoelastic longitudinal vibrations

- of an infinite circular cylinder 20, 1989 395-402
- Yadav, D. K. *See* Kushwaha, R. D. S. & Yadav, D. K.
- Yadav, R. K. *See* Sinha, B. B. & Yadav, R. K.
- Yadav, R. N. *See* Sinha, B. B. & Yadav, R. N.
- Yadav, S. P. On multipliers for the absolute Nvrlund summability 13, 1982 458-465; On the absolute summability of associated Fourier series 16, 1985 859-874
- Yadav, S. R. & Mukherjee, R. N. A matrix generalization of a vector maximization problem 17, 1986 121-129, Some applications of arcwise connected functions for minimax inequalities and equalities 19, 1988 1162-1166; A dual differentiable exact penalty function in fractional programming 19, 1988 513-515
- Yadava, H. C. *See* Chandel, R. C. S. & Yadava, H. C.
- Yadava, S. L. *See* Sinha, B. B. & Yadava, S. L.
- Yadava, S. R. *See* Patel, L. K. & Yadava, S. R.
- Yamamura, K. *See* Maki, H., Umehara, J. & Yamamura, K.
- Yang, C. C. *See* Song, G. D. & Yang, C. C.
- Yenumula, V. R. & Bhavanari, S. A note on  $N$ -groups 19, 1988 842-845; The  $f$ -prime radical in near-rings 17, 1986 327-330
- Yogi, A. M. N. *See* Singh, V. P. & Yogi, A. M. N.
- Yuel, A. K. & Sharma, P. L. Fixed point theorems on contractive mappings 13, 1982 426-428
- Yugandhar, K. *See* Srinivas, T. & Yugandhar, K.
- Yugandhar, K., Gopal Rao, K. R. & Srinivas, T. A note on primary decomposition in Noetherian near-rings 20, 1989 671-680
- Yulin, Z. & Owa, S. Some remarks on a class of Meromorphic starlike functions 21, 1990 833-840
- Zaghrout, A. A. S. On asymptotic analysis of singular differential systems 21, 1990 909-918, *also see* El-Owaidy, H., Zaghrout, A. A. S. & Ragab, A. A.
- Zaghrout, A. A. S. & Ragab, A. A. On approximations to Floquet systems 16, 1985 725-730; Oscillatory behaviour solutions of  $y'' + P(x)y = f(x)$  16, 1985 853-858
- Zaghrout, A. A. S. *See* El-Owaidy, H. & Zaghrout, A. A. S.
- Zahran, A. M. *See* Allam, A. A., Zahran, A. M. & Hasanain, I. A.
- Zahreddine, Z. Asymptotic stability of complex systems of differential equations of higher dimensions 21, 1990 781-790; On the uniform stability of a system of differential equations with complex coefficients 20, 1989 307-329
- Zahreddine, Z. & Elshehawey, E. F. On the stability of a system of differential equations with complex coefficients 19, 1988 963-972
- Zaki, S. S. *See* Mokaddis, G. S. & Zaki, S. S.
- Zaman, F. D. & Asghar, S. & Ghous, G. Torsional vibration of a random elastic cylinder 20, 1989 521-525
- Zayed, A. I. On Laguerre series expansions of entire functions 12, 1981 1319-1325

**1991-2000**



## AUTHOR INDEX — 1991-2000

- Abd Eltwab, Y. A. A charged particle in the Godel universe unified by a magnetic field 22, 1991, 85-88
- Abdelli, H. Bivariate interpolation of extension modified Akima Procedure 29, 1998, 151-162
- Abdel-Moneim, A. M. *See* El-Sirafy, I. H., Abdel-Moneim, A. M. & El-Akkad, F. A.
- Abdussattar & Singh, D. K. A conformally flat perfect magnetofluid distribution in general relativity 26, 1995, 179-188
- Abu, F. S. & Arif, S. A. The diophantine equation  $x^2 + 5^{2k+1} = y^n$  30, 1999, 229-232
- Achar, P. K. *See* Bujurke, N. M., Pal, N. P. & Achar, P. K.
- Acharya, B. D. & Hegde, S. M. On certain vertex valuation of a graphs - I 22, 1991, 553-560
- Acharya, M., Dash, G. C. & Singh, L. P. Magnetic field effects on the free convection and mass transfer flow through porous medium with constant suction and constant heat flux 31, 2000, 1-18; *also see* Acharya, M., Doosh G. C. and Singh P.
- Acharyya, S. K., Chattopadhyay, K. C. & Ray, G. G. The maximal congruences on  $C^+(X)$  30, 1999, 449-458
- Acketa, D. M. *See* Matic-Kekic, S. & Acketa, D. M.
- Acketa, D. M. & Matic-Kekic, S. Asymptotics for the maximal number of edges of a digital convex arc 31, 2000, 583-590
- Acosta, F. P. Geometric results in polynomial approximation via the 1-1 minimax transform 31, 2000, 461-474
- Acosta, F. P. *See* Almira, J. M. & Acosta, F. P.
- Acosta, F. P. *See* Hayek, N. & Acosta, F. P.
- Adhikari, S. D. & Thangadurai, R. A note on the distribution of values of an arithmetical function 26, 1995, 931-936; Addendum to "A note on the distributon of values of an arithmetical function 28, 1997 125-128
- Adhlaka, N. *See* Pardasani, K. R. & Adhlaka, N.
- Afsharnejad, Z. Nonlinear perturbation of the Mathieu equation 30, 1999, 495-508
- Agarwal, G. S. *See* Goel, A. K., Agrawal, S. C. & Agarwal, G. S.
- Agarwal, A. K.  $n$ -colour compositions 31, 2000, 1421-1428
- Agarwal, A. K. & Subbarao, M. V. Some properties of perfect partitions 22, 1991, 737-744
- Agarwal, R. *See* Mittal, R. C. & Agarwal, R.
- Agarwal, S. C. *See* Goel, A. K. & Agarwal, S. C.

- Agashe, N. S. & Chafle, M. R. A semi-symmetric non-metric connection on a Riemannian manifold 23, 1992, 399-410
- Aggarwal, K. See Chinda, K. P. & Aggarwal, K.
- Agrawal, R. D. See Chandel, R. C. S., Agrawal, R. D. & Kumar, H.
- Agrawal, S. C. See Bansal, N. Jaimala & Agrawal, S. C
- Agrawal, S. C. See Goel, A. K. & Agrawal, S. C.
- Agrawal, S. C. See Goel, A. K., Agrawal, S. C & Agrawal, G. S.
- Agrawal, S. C. See Goel, A. K., Agrawal, S. C. & Jaimala
- Agrawal, S. C. See Jaimala & Agrawal, S. C.
- Agrawal, S. C. See Rachana, Sharma, R. & Agrawal, S. C.
- Ahmad, A. Existence of periodic orbits of third kind in the photogravitational restricted problem of four bodies in three-dimensional coordinate system 31, 2000, 1671-1676
- Ahmad, A. & Islam, N. Effect of perturbed potentials on triangular solutions at critical mass 25, 1994, 903-906
- Ahmad, A. & Mandal, S. Existence of periodic orbits of third kind in three-dimensional circular restricted problem of four bodies in presence of perturbations in coriolis and centrifugal forces 28, 1997, 289-294; Existence of periodic orbits of first kind in the circular restricted problem of four bodies in presence of perturbations in Coriolis and centrifugal forces 25, 1994, 1107-1114
- Ahmad, A., Hasan, M. R. & Islam, N. Existence of periodic orbits of collision in the photogravitational circular restricted problem of three bodies in three-dimensional co-ordinate system 25, 1994, 559-566
- Ahmad, B. See Khan, M., Ahmad, B. & Noiri, T
- Ahmad, B. See Khan, M., Noiri, T. & Ahmad, B.
- Ahmad, K., Kazmi, K. R. & Siddiqui, Z. A. On a class of generalized variational inequalities 28, 1997, 487-500
- Ahmad, N. See Aziz, A. & Ahmad, N.I
- Ahmad, R. See Siddiqi, A. H., Ahmad, R. & Khan, M. F
- Ahmad, R. See Siddiqi, A. H., Ansari, Q. H. & Ahmad, R
- Ahmad, R. See Siddiqi, A. H., Khan, M. F. & Ahmad, R.
- Ahmad, Z. U., Mursaleen & Khan, Q. A. Invariant means and some matrix transformations 25, 1994, 353-360
- Ahmed, B., Khan, M. & Noiri, T. A note on semi-frontier 22, 1991, 61-62
- Ahmed, N. See Das, U. N. & Ahmed, N.
- Ahmed, N. & Sarma, D. Three dimensional free convective flow and heat transfer through a porous medium 28, 1997, 1345-1354
- Ahsan, Z. Electric and Magnetic Weyl

- tensors 30, 1999, 863-870;  
Interacting radiation fields 31, 2000,  
215-226
- Ahuja, A. *See* Arora, S. R. & Ahuja, A
- Ajayi, D. O. *See* Ilori, S. A. & Ajayi, D. O
- Ajit *See* Srivastava, P. N., Ajit & Solanki,  
K. R.
- Akkar, M., Beddaa, A. & Oudadess M.  
Topologically invertible elements in  
metrizable algebras 27, 1996,  
123-128
- Alagh, Y. K. Development models: the  
next phase 26, 1995, 617-642
- Alam, M. M. *See* Yamamoto, K., Yanase,  
S. & Alam, M. M.
- Alam, M. S. & Sattar, M. A. A unified  
Krylov-Bogoliubov-Mitropolski  
method for solving third-order  
nonlinear systems 28, 1997, 151-168
- Alam, Md. M. *See* Sattar, Md. A. & Alam,  
Md. M.
- Al-Areefi, S. M. *See* Khedr, F. H.,  
Al-Areefi, S. M. & Noiri, T.
- Alegre, C. *See* Ferrer, J., Gregori, V. &  
Alegre, C.
- Alegre, C., Ferrer, J. & Gregori, V.  
Quasi-uniformities on real vector  
spaces 28, 1997, 929-938
- Ali Sarigol, M. On the absolute Riesz  
summability factors of infinite series  
23, 1992, 881-886
- Alic, M., Pearce, C. E. M. & Pecaric, J. On  
some discrete Weyl-type inequalities  
of Pachpatte 27, 1996, 575-580
- Alizade, R. & Pancar, A. On topology  
induced by Bohr compactification  
30, 1999, 1111-1116
- Allah, M. H. O. Stability of a stratified  
fluid through porous media the  
presence of suspended particles,  
rotation and vertical oscillations 31,  
2000, 375-382; Stability of fluid  
flows in a porous medium with  
spherical symmetry 29, 1998,  
599-604
- Almira, J. M. & Acosta, F. P. Convergence  
and compactness in Besov Spaces  
29, 1998, 1073-1082
- Al-Nashef, B. Cover developments and  
D-paracompact spaces 22, 1991,  
135-142
- Alniack, K. A note on some U-numbers  
25, 1994, 689-692
- Al-Rhayyel, A. Elliptic surfaces over a  
genus 2 curve II 24, 1993, 757-766;  
Elliptic surfaces over a genus I curve  
with exactly the pair  $(I_2^*, I_4)$  of  
singular fibres 27, 1996, 853-860
- Al-Sirehy, F. & Fisher, B. A note on the  
composition of distributions 31,  
2000, 839-848
- Altaiski, M. V.  $p$ -Adic wavelet  
decomposition *vs* Fourier analysis  
28, 1997, 197-206
- Altindis, H. & Atasoy, M. The linear  
diophantine equation  $ax + by + cz =$   
 $e$  in  $Q(\sqrt{5})$  27, 1996, 837-842
- Amaranath, T. *See* Nigam, S. D. &  
Amaranath, T.
- Amaranath, T. *See* Raja Sekhar, G. P.,  
Nigam, S. D. & Amaranath, T.

- Anandam, N. *See* Meenakshi, A. R. & Anandam, N.
- Anastassiou, A. & Bendikev, A. D. A discrete analog of Kac's formula and optimal approximation of the solution of the heat equation 28, 1997, 1367-1390
- Anastassiou, G. A. Higher order monotone approximation with linear differential operators 24, 1993, 263-266
- Anguraj, A. *See* Balachandran, K. & Anguraj, A
- Anisiu, V., Mocanu, P. T. & Serb, I. A sharp criterion for starlikeness 27, 1996, 1111-1118
- Annapurna, M. *See* Krishna Rao, J., Annapurna, M. & Trivedi, M. M.
- Ansari, A. H. *See* Gupta, U. S. & Ansari, A. H.
- Ansari, A. H. & Gupta, U. S. Effect of elastic foundation on asymmetric vibration of polar orthotropic parabolically tapered circular plate 30, 1999, 975-990
- Ansari, M. M. *See* Sinha, B. B. & Ansari, M. M.
- Ansari, Q. H. *See* Siddiqi, A. H., Ansari, Q. H. & Ahmad, R.
- Ansari, Q. H. *See* Siddiqi, A. H., Ansari, Q. H. & Khan, M. F., *also See* Siddiqi, A. H., Ansari, Q. H. & Kazmi, K. R.
- Aouf, M. K., Hossen, H. M. & Lashin, A. Y. On certain families of analytic functions with negative coefficients 31, 2000, 999-1016
- Aquino-Ruivivar, L. *See* Gervacio, S. V. & Aquino-Ruivivar, L.
- Aragone, L. S. *See* Gonzalez, R. L. V. & Aragone, L. S.
- Arif, M. *See* Bhatnagar, K. B. & Arif, M., *See* Bhatnagar, K. B., Taqvi, Z. A. & Arif, M
- Arif, Md. *See* Taqvi, Z. A. & Arif, Md.
- Arif, S. A. *See* Abu, F. S. & Arif, S. A
- Arockiarani, I., Balachandran, K. & Ganseter, M. Regular generalized locally closed sets and RGL-continuous functions 28, 1997, 661-670
- Arora, S. R. *See* Malhotra, N. & Arora, S. R.
- Arora, S. R. *See* Saxena, R. R. & Arora, S. R.
- Arora, S. R. & Ahuja, A. A paradox in a fixed charge transportation problem 31, 2000, 809-822
- Arreaga, G., Lopez-Bonilla, J. L. & Ovando, G. Lanczos spintensor and Liinard Wiechert field 31, 2000, 85-92
- Arul, R. *See* Thandapani, E. & Arul, R.
- Arumugam, S. A note on topological projective planes 22, 1991, 83-84; *See* Joseph, J. P. & Arumugam, S.; *See* Pakkiam, C. & Arumugam, S.
- Arumugam, S. & Pakkiam, C. Graphs with unique minimum graphoidal cover 25, 1994, 1147-1154
- Arumugam, S. & Fhuraishwamy, A. Total Domatic Number of A Graph-1 29, 1998, 513-516



- Arya, J. P. *See* Joshi, C. M. & Arya, J. P.
- Arya, S. P. & Gupta, K. New separation axioms in topological ordered spaces 22, 1991, 461-468;  $S$ -Regularly ordered and almost  $s$ -regularly ordered spaces 23, 1992, 797-806
- Ashour, S. A. Interpolatory quadrature rule for evaluation of certain hyper singular integrals 30, 1999, 509-516
- Ashraf, M. On commutativity of one sided  $s$ -unital rings with some polynomial constraints 25, 1994, 963-968
- Atasoy, M. *See* Altindis, H. & Atasoy, M.; The linear Diophantine equation with  $n$ -unknowns in  $Q(\sqrt{5})$  30, 1999, 1047-1052
- Audich, S. *See* Goyal, S. P. & Audich, S.
- Avadayappan, S., Vasuki, R. & Jeyanthi, P. Magic strength of a graph 31, 2000, 873-884
- Avgerinos, E. P. & Papageorgiou, N. S. Differential variational inequalities in  $RN$  28, 1997, 1267-1288
- Aziz, A. & Ahmad, N. A compact generalization of Walsh's two-circle theorems for polynomials and rational functions 27, 1996, 785-790
- Aziz, A. & Shah, W. M. An integral mean estimate for polynomials 28, 1997, 1413-1420; Inequalities for the polar derivative of a polynomial 29, 1998, 163-174
- Aziz, A. & Zargar, B. A. Some inequalities for self-reciprocal polynomials 27, 1996, 791-794
- Babu, A. C., Ramakrishnan, P. V. & Seshan, C. R. New proofs of König-Egervary theorem and maximal flow-Minimal cut capacity theorem using O.R techniques 22, 1991, 905-912
- Babu, G. P. & Murty, M. N. Simulated annealing for selecting optimal initial seeds in the  $K$ -means algorithm 25, 1994, 85-94
- Babu, G. V. R. *See* Sastry, K. P. R. & Babu, G. V. R.
- Babu, L. A., Reddy, K. G. & Mohan, N. L. Gravity interpretation of vertical line element and slab — A Mellin transform method 22, 1991, 439-448
- Bagewadi, C. S. & Shantnarajappa, A. N. A study of unsteady dusty gas flow in frenet Frame field 31, 2000, 1405-1420; Bicriteria in a two-stage flowshop scheduling problem 31, 2000, 1475-1482
- Bagirov, A. M. Continuous subdifferential approximations and its construction 29, 1998, 19-28
- Bahadur, L. *See* Soni, D. C. & Bahadur, L.
- Bainov, D. D. & Dimitrova, M. B. Properties of the oscillating and nonoscillating solutions of operator-differential equations 25, 1994, 699-710
- Bainov, D. D. & Stamova, I. M. Existence and uniqueness and continuability of solutions of impulsive differential-difference equations 31, 2000, 563-572
- Bainov, D. D., Dishliev, A. B. & Hristova, S. G. The method of quasilinearization for the initial value problem for systems of impulsive differential equations 30, 1999, 893-910

- Bainov, D. D., Hristova, S. G. & Simeonov, P. S.** Linear integro-summation inequalities for scalar functions of two variables 28, 1997, 521-524
- Bainov, D. D., Kostadinov, S. I. & Zabreiko, P. P.** Monotonic impulsive differential equations 26, 1995, 315-320; Stability of the notion of dichotomy of linear impulsive differential equations in a Banach space 26, 1995, 321-328
- Bainov, D., Kong, Q. & Minchev, E.** Oscillation of solutions of nonlinear parabolic differential-difference equations in noncylindrical domains 30, 1999, 1173-1180
- Bairamov, E. & Celebi, A. O.** Spectral properties of the Klein-Gordon s-wave equation with complex potential 28 1997, 813-824
- Baisnab, A. P.** See Saha, M. & Baisnab, A. P.
- Bajpai, K. & Karde, T. M.** On Eulerian angles 23, 1992, 509-530
- Bajpai, S. K.** A characterization for Alpha convex functions 24, 1993, 455-460
- Bakopoulos, Y. & Kotsios, St.** The study of a specific differential equation 26, 1995, 241-248
- Balachandran, K.** See Arockiarani, I., Balachandran, K. & Ganseter, M.
- Balachandran, K.** See Devi, R., Balachandran, K. & Maki, H.
- Balachandran, K.** See Gnanambal, Y. & Balachandran, K.
- Balachandran, K.** See Subramaniam, R. & Balachandran, K.
- Balachandran, K. & Anguraj, A.** Existence of solutions and periodicity of differential inclusions 23, 1992, 713-722
- Balachandran, K. & Balasubramaniam, P.** Uniform asymptotic stability for perturbed delay-differential equations 26, 1995, 1143-1148
- Balachandran, K. & Balasubramaniam, P.** Controllability of nonlinear perturbed systems to affine manifolds 24, 1993, 165-172
- Balachandran, K. & Chandrasekaran, M.** Existence of solutions of a delay differential equation with nonlocal condition 27, 1996, 443-450
- Balachandran, K. & Dauer, J. P.** Existence of solutions of perturbed fuzzy integral equations in Banach spaces 28, 1997, 1461-1468; Local Controllability of semilinear evolution Systems in Banach spaces 29, 1998, 311-320
- Balachandran, K. & Ilamaram, S.** An existence theorem for a functional integral equation with deviating arguments 24, 1993, 533-538; also see existence and uniqueness of mild and strong solutions of a semilinear evolution equation with nonlocal conditions 25, 1994, 411-418
- Balachandran, K., Sundaram, P. & Maki, H.** Generalized locally closed sets and GLC-continuous functions 27, 1996, 235-244
- Balakrishna, S.** See Ganeshan, S., Balakrishna, S. & Ramanujachari, V.; See Ramanujachari, V., Balakrishna, S. & Ganesan, S.

- Balakrishnan, R., Selvam, A. & Yegnannarayanan, V.** Some results on elegant Graphs 28, 1997, 905-916
- Balasubramaniam, P.** *See* Balachandran, K & Balasubramaniam, P.
- Balasubramanian, G.** Fuzzy disconnectedness and its stronger forms 24, 1993, 27-30; *also see* Spaces with weakly fuzzy topology 29, 1998, 621-624
- Balasubramanian, P.** *See* Balachandran, K & Balasubramanian, P
- Balbas, A. Fermamdez, F. J. & Guerra, P. J.** On the envelopment theorem in multiobjective programming 26, 1995, 1035-1048
- Balbas, A., Ballve, M. E. & Jimenez Guerra, P.** Sensitivity and optimality conditions in the multiobjective differential programming 29, 1998, 671-680
- Balci, S.** The Seifert-Van Kampen theorem for the group of global sections 27, 1996, 883-892
- Balint, I., Kocsor, A., Cserpan, I. & Fodor, K.** Full matching and isomorphism of nucleotide chains 31, 2000, 243-264
- Ballve, M. E.** *See* Balbas, A., Ballve, M. E. & Jimenez Guerra, P.
- Baloria, M. S.** *See* Singh, A. P. & Baloria, M. S.
- Bambah, R. P.** Packings and coverings 30, 1999, 1063-1072
- Banas, J., Marti, A. & Sadaragani, K.** Set quantities related to the Hausdorff distance in Banach spaces 28, 1997, 1421-1434
- Bandral, B. S.** *See* Banerjee, M. B., Shandil, R. G. & Bandral, B. S., *See* Banerjee, M. B., Shandil, R. G., Prakash, J., Bandral, B. S., Lal, P. & Kanwar, V
- Bandyopa, C. & Chattopadhyay, C.** Some generalized continuous functions and resolvable and irresolvable spaces 28, 1997, 1289-1294
- Bandyopadhyay, C.** *See* Chattopadhyay, C. & Bandyopadhyay, C.
- Banerjee, S. & Mandal, B. N.** On waves due to rolling of a vertical plate 23, 1992, 753-762
- Banerjee (Mukhopadhyay), S.** *See* Roychoudhuri, S. K. & Banerjee (Mukhopadhyay), S.
- Banerjee, D. K., Parui, S. K. & Dutta Majumder, D.** A shape metric for 3-D objects 25, 1994, 95-112
- Banerjee, M. B., Shandil, R. G. & Bandral, B. S.** The importance of Tollmien's counter example and equilibrium of homogeneous shear flows revisited 28, 1997, 955-968
- Banerjee, M. B., Shandil, R. G., Prakash, J., Bandral, B. S., Lal, P. & Kanwar, V.** On Howard's conjecture in heterogeneous shear flows instability of modified s-waves 28, 1997, 825-834
- Banerjee, S.** *See* Dutta Majumder, D. & Banerjee, S.
- Banerji, P. K. & Choudhary, S.** On the fractional calculus of a general class of polynomials 27, 1996, 675-680
- Banerji, S.** *See* Ray, M. K., Chaudhury, S. & Banerji, S.
- Bangad, M., Reddy, K. S. & Bhasker, C.**

- Comments and realistic approximations to PDE's of unsteady thermal boundary layer flows of vertical plate 23, 1992, 285-294
- Banik, D.** See Pramanik, A. K. & Banik, D.
- Bansal, J. L.** See Goyal, M. & Bansal, J. L.
- Bansal, N. Jaimala & Agrawal, S. C.** Shear flow instability of an incompressible visco-elastic fluid in a porous medium in the presence of a weak magnetic field 30, 1999, 1283-1296
- Baran, M.** Generalized local separation properties 25, 1994, 615-620; Separation properties 23, 1992, 333-342;  $T_3$  and  $T_4$ -Objects in topological categories 29, 1998, 59-70
- Barman, B.** Flow of a Newtonian fluid past an impervious sphere embedded in a porous medium 27, 1996, 1249-1256.
- Baruah, K. K.** See Bhattacharjee, R. & Baruah, K. K.
- Basarir, M.** On some new sequence spaces and related matrix transformations 26, 1995, 1003-1010
- Basu, A. K. & Bhattacharya, D.** On the speed of convergence of log-likelihood ratio processes to standard mixture of normal distributions 25, 1994, 1017-1030
- Basu, C. K.** See Ganguly, S. & Basu, C. K.
- Basu, C. K.** See Mukherjee, M. N. & Basu, C. K.
- Basu, S.** See Ganguly, D. K. & Basu, S.
- Basu, S. K.** See Joshi, C. M. & Basu, S. K.
- Basu, U. & Mandal, B. N.** Diffraction of water waves by a deformation of the bottom 22, 1991, 781-786
- Beddaa, A.** See Akkar, M., Beddaa, A. & Oudadess M.
- Beg, I.** Approximations in random normed spaces 28, 1997, 1435-1442
- Beggs, E. J. & Hartir, E.** Theta topological groups 24, 1993, 445-454
- Behera, A. & Nanda, S.** A proof of Cauchy's theorem 27, 1996, 1107-1110
- Behera, A. & Nayak, L.** On nonlinear variational-type inequality problem 30, 1999, 911-924
- Behera, A. & Panda, G. K.** A generalization of Minty's lemma 28, 1997, 897-904; A generalized nonlinear complementarity problem of mathematic programming in Banach spaces 23, 1992, 693-696; Generalized variational-type inequality in Hausdorff topological vector spaces 28, 1997, 343-350; On generalized nonlinear complementarity problem 26, 1995, 773-776; Variational inequality problem in Hausdorff topological vector spaces 28, 1997, 181-188
- Beltagy, M.** Exposed points and convexity 24, 1993, 111-118
- Bendikev, A. D.** See Anastassiou, A. & Bendikev, A. D.
- Bera, S.** A peculiar identity from the usual expansion of  $(a-1)$  28, 1997,

- 1609-1620, Some interesting results on a new combinatorial arithmetic function 29, 1998, 541-558
- Bereketoglu, H.** On the instability of trivial solutions of a class of eighth-order differential equations 22, 1991, 199-202
- Bernal-Gonzalez, L.** A note on approximation of Holomorphic functions by exponentials 31, 2000, 573-582
- Bhadra, S.** See Tiwari, R. N., Ray, S. & Bhadra, S.
- Bhambani, A.** See Bagga, P. C. & Bhambaru, A.
- Bhandari, A. K., Grover, V. K. & Sankaran, N.** Generic modules of linear differential forms and Picard-Vessiot extensions in arbitrary characteristic 25, 1994, 495-506
- Bharati, L. V.** See Chakrabarti, A. & Bharati, L. V.
- Bhardwaj, R. & Bhatnagar, K. B.** Chaos in nonlinear planner oscillation of a satellite in an elliptical orbit under the influence of third body torque 28, 1997, 391-422; Nonlinear planar oscillation of a satellite in circular orbit under the influence of magnetic torque (I) 26, 1995, 1225-1240; Nonlinear planar oscillation of a statelhte in circular orbit under the influence of magnetic torque (II) 29, 1998, 139-150
- Bhardwaj, V. K. & Singh, N.** On some new spaces of lacunary strongly  $\sigma$ -convergent sequences defined by Orlicz functions 31, 2000, 1515-1530; On some sequence spaces defined by a modulus 30, 1999, 809-818. Some sequence spaces defined by  $|\bar{N}, p_n|$  summability and an Orlicz function 31, 2000, 319-326
- Bhasker, C.** See Bangad, M., Reddy, K. S. & Bhasker, C.
- Bhat, P.** See Sampathkumar, E., Pushpa Latha, P., Venkatachalam, V. & Bhat, P.
- Bhatia, D.** See Gupta, P. & Bhatia, D.
- Bhatia, D. & Kumar, P.** Pseudolinear vector optimization problems containing  $n$ -set functions 28, 1997, 439-454
- Bhatia, D. & Mehra, A.** Fractional programming involving set-valued functions 29, 1998, 525-540
- Bhatia, D. & Sharma, A.** Generalized F-invexity and duality for programming problems with square root terms in objectives and constraints 31, 2000, 1391-1404
- Bhatia, D., Kumar, N. & Bhudraja, R. K.** Duality theorems for nondifferentiable multiobjective programs 28, 1997, 1031-1042
- Bhatia, R.** On residual bounds for eigenvalues 23, 1992, 865-866
- Bhatnagar, K. B.** See Bhardwaj, R. & Bhatnagar, K. B.
- Bhatnagar, K. B.** See Gupta, B. R. & Bhatnagar, K. B.
- Bhatnagar, K. B.** See Khanna, M. & Bhatnagar, K. B.
- Bhatnagar, K. B.** See Mehra, M. & Bhatnagar, K. B.

- Bhatnagar, K. B.** See Mehra, V. K. & Bhatnagar, K. B.
- Bhatnagar, K. B. & Arif, M.** Motion of two charged particles in the field of two dipoles with their carrier stars 25, 1994, 907-924
- Bhatnagar, K. B., Taqvi, Z. A. & Arif, M.** Motion of a charged particle in the field of two dipoles with their carrier stars 24, 1993, 489-502
- Bhatt, S. J.** Some remarks on Hermitian Banach star algebras 26, 1995, 131-142
- Bhatt, S. J. & Dedania, H. V.** On seminorms, spectral radius and Ptak's spectral function in Banach algebras 27, 1996, 551-556
- Bhattacharjee, N. R.** See Lahiri, I. & Bhattacharjee, N. R.
- Bhattacharjee, N. R. & Bhattacharjee, T.** On the evaluation of zeta function  $\zeta(2s)$  23, 1992, 15-20
- Bhattacharjee, R. & Baruah, K. K.** Kaluza-Klein cosmology 30, 1999, 329-344
- Bhattacharjee, T.** See Bhattacharjee, N. R. & Bhattacharjee, T.
- Bhattacharya, D.** See Basu, A. K. & Bhattacharya, D.
- Bhattacharya, D. K.** Proper efficiency and vector optimization on a Banach space 30, 1999, 345-354
- Bhattacharya, K.** Forecast surface temperature correction by estimation theory 31, 2000, 921-932
- Bhattacharyya, P.** See Paul, R. & Bhattacharyya, P.
- Bhattacharyya, R.** See Pal, S., Bhattacharyya, R., Bhattacharyya, S. & Ray, A.
- Bhattacharyya, S.** See Pal, S., Bhattacharyya, R., Bhattacharyya, S. & Ray, A.
- Bhattacharyya, A. & Mukherjee, M. N.**  $\delta p$ -Almost compactness for fuzzy topological spaces 31, 2000, 519-532
- Bhatti, Z. R.** See Durrani, I. R. & Bhatti, Z. R.
- Bhavanari, S. & Kuncham, S. P.** A result of E-direct systems in N-groups 29, 1998, 285-288
- Bhave, N. S. & Raghunathan, T. T.** Enumeration of bipartite self-complementary graphs 28, 1997, 1451-1460
- Bhowmik, B. B.** Anisotropic Brans-Dicke cosmology 31, 2000, 903-920
- Bhowmik, B. B.** See Krori, K. D. & Bhowmik, B. B.
- Bhudraja, R. K.** See Bhatia, D., Kumar, N. & Bhudraja, R. K.
- Bian, W.** Existence results for second order nonlinear evolution inclusions 29, 1998, 1177-1194
- Bilgin, T.** See Ozturk, E. & Bilgin, T.
- Binh, T. Q.** See Sengupta, J., De, U. C. & Binh, T. Q.
- Bisht, P. S., Negi, O. P. S. & Rajput, B. S.** Quaternion formulation for unified fields of dyons and gravito-dyons 24, 1993, 543-550
- Biswas, P. K. & Chatterji, B. N.** Surface description in range images - a parallel approach 25, 1994, 205-230

- Blazic, N., Bokan, N. & Gilkey, P. B. Special geometry of the form valued Laplacian for manifolds with boundary 23, 1992, 103-120
- Boeckk, E., Gillard, J. & Vanhecke, L. Semi-symmetric and semi-parallel geodesic spheres and tubes 27, 1996, 771-778
- Bogdanovic, S. *See* Ciric, M. & Bogdanovic, S.
- Bogdanovic, S. & Ciric, M. Chains of Archimedean semigroups (semiprimary semigroups)
- Bokan, N. *See* Blazic, N., Bokan, N. & Gilkey, P. B.
- Bonilla, B., Kilbas, A. A., Rivero, M., Rodriguez, L. & Trujillio, J. J. Modified Bessel-type function and solution of differential and integral equations 31, 2000, 93-110
- Booth, G. L. Equiprime infra-near-rings 22, 1991, 561-566
- Bor, H. & Seyhan, H. On almost increasing sequences and its applications 30, 1999, 1041-1046
- bounded variation 25, 1994, 723-730
- Branciari, A. On the principle of successive approximations 31, 2000, 495-498
- Brock, L. M. *See* Rodgers, M. J. & Brock, L. M.; Some analytical results for heating due to irregular sliding contact of thermoelastic solids 27, 1996, 1257-1278; Some results for Rayleigh and Stoneley signals in thermoelastic solids 28, 1997, 835-850
- Brock, L. M. & Georgiadis, H. G. Rudimentary nonlinear effects near crack edges in dynamic crack propagation 26, 1995, 705-724
- Bujurke, N. M., Madalli, V. S. & Mulimani, B. G. Laminar flow in a uniformly porous pipe 31, 2000, 341-352
- Bujurke, N. M., Pai, N. P. & Achar, P. K. Semi-analytic approach to stagnation-point flow between porous plates with mass transfer 26, 1995, 373-390
- Bulboaca, T. On a special integral subordination 28, 1997, 361-370
- Bulut, E. Statistical  $h$ -regular series methods in topological groups 31, 2000, 77-84
- Buschman, R. G. *See* Yakubovich, S. B., Hai, N. T. & Buschman, R. G.
- Buscuman, R. G. Contiguous relations for the G-functions of two variables 25, 1994, 525-534
- Cabrerizo, J. L. *See* Zen, G., Cabrerizo, J. L., Fernandez, L. M. & Fernandez, M.
- Cabrerizo, J. L., Carriazo, A., Fernandez, L. M. & Fernandez (Sevilla), M. Structure on a slant submanifold of a contact manifold 31, 2000, 857-864
- Cabrerizo, J. L., Fernandez, L. M. & Fernandez, M. On pseudo-Einstein hypersurfaces of  $H_{n+s}^2$  27, 1996, 451-462
- Cakalli, H. Lacunary statistical convergence in topological groups 26, 1995, 113-120
- Cakalli, H. & Canak, G.  $(P_n, s)$ -Absolute almost convergent sequences 28, 1997, 525-532

- Cammaroto, F., Kocinac, L. & Santoro, G.** Multi-valued mappings and cleavability 25, 1994, 975-986
- Can, H.** On the perfect systems of the specht modules of the weyl groups of type C 29, 1998, 253-270
- Canak, G.** See Cakalli, H. & Canak, G
- Cao, J. & Reilly, I. L.** On  $\delta$ -continuous multifunctions and paralindelofness 26, 1995, 1099-1110
- Carbone, A.** A note on a theorem of Prolla 23, 1992, 257-260; A note on a variational inequality 27, 1996, 1225-1228
- Carriazo, A.** See Cabrerizo, J. L., Carriazo, A., Fernandez, L. M. & Fernandez (Sevilla), M.
- Castaneda, N.** A note on a fixed point theorem and Newton method 30, 1999, 199-202
- Celebi, A. O.** See Bairamov, E & Celebi, A O.
- Cerone, P.** See Dragomir, S. S., Cerone, P & Sofo, A.
- Chabra, R. K.** See Khosla, H. K. & Chabra, R. K.
- Chafle, M. R.** See Agashe, N. S. & Chafle, M. R.
- Chakrabarti, A.** See Kanoria, M., Chakrabarti, A. & Mandal, B. N.
- Chakrabarti, A. & Bharati, L. V.** Transmission of waterwaves through a gap in a submerged vertical barrier 22, 1991, 491-512
- Chakraborty, B. B. & Khattar, D.** Stability of an imploding plasma shell 31, 2000, 1025-1044
- Chakraborty, G.** An optimal control problem in locally convex linear topological spaces 26, 1995, 865-872
- Chakraborty, M.** See Chattopadhyay, A, Saha, S. & Chakraborty, M; also see Prasad, S., Chakraborty, M. & Parthasarathy, H.
- Chakraborty, M. C.** Metrically separable and approximately continuous functions 25, 1994, 987-990
- Chakraborty, N. D.** See Jaker Ali, S. K. & Chakraborty, N. D.
- Chakraborty, P.** See Ghosal, S. K & Chakraborty, P.
- Chakraborty, S.** Effect of non-homogeneity on quasi-transverse waves in a nonlinear elastic medium 24, 1993, 467-474
- Chakraborty, S., Ray, D. S. & Chakravarty, A.** A dynamical problem of Reissner-Sagoci type for a non-homogeneous elastic half-space 27, 1996, 795-806
- Chakravarty, A.** See Chakraborty, S., Ray, D. S. & Chakravarty, A.
- Chakravarty, N. K.** A necessary and sufficient condition for the existence of the spectral matrix of a differential system 25, 1994, 365-380
- Chakraverty, S.** See Singh, B. & Chakraverty, S.
- Chand, D.** See Sharma, J. N. & Chand, D.
- Chand, K.** See Singh, K. D., Chand, K. & Rana, S. K.
- Chand, S.** See Sharma, R. C., Sunil & Chand, S.



- Chandra, B. & Haralick, R. M. A morphologic bridging transformation for spatial domain processing of digital images 31, 2000, 885-902; Studies on properties of digital objects using mathematical morphology 25, 1994, 181-204
- Chandel, R. C. S. & Sahgal, S. A multivariable analogue of Gould's and Gould-Hopper's polynomials 22, 1991, 225-230
- Chandel, R. C. S. & Tiwari, A. Multivariable analogue of Gould and Hopper's polynomials defined by Rodrigues' formula 22, 1991, 757-762
- Chandel, R. C. S., Agrawal, R. D. & Kumar, H. Fourier series involving the multivariable H-function of Srivastava and Panda 23, 1992, 343-358
- Chandra, H. *See* Lal, N. & Chandra, H.
- Chandra, M., Mishra, S. N., Singh, S. L. & Rhoades, B. E. Coincidences and fixed points of nonexpansive type multi-valued and single-valued maps 26, 1995, 393-402
- Chandra, P. *See* Philip, D. & Chandra, P.
- Chandra, R. *See* Pande, H. D., Chandra, R. & Mishra, R. K.
- Chandrasekar, M. An unsteady heat transfer solution to boundary layer stagnation flow 28, 1997, 1481-1490
- Chandrasekaran, M. *See* Balachandran, K. & Chandrasekaran, M.
- Chandrasekharia, D. S. & Murthy, H. N. Thermoelastic interactions in an unbounded body with a spherical cavity due to harmonically varying stresses on the boundary 28, 1997, 1327-1336
- Chang, S. S., Cho, Y. J. & Kim, J. K. Selection problem with applications 31, 2000, 631-646
- Chang, Y. W. *See* Chen, M. S. & Chang, Y. W.
- Chattopadhyay, K. C., Mukherjee, U.K. & Samanta, S. K. A note on fuzzy ultrafilters 29, 1998, 695-704
- Charak, K. S. *See* Singh, A. P. & Charak, K. S.
- Chatterji, B. N. *See* Biswas, P. K. & Chatterji, B. N.
- Chattopadhyay, A. *See* Chattopadhyay, A., Choudhury, S. & Chattopadhyay, A.
- Chattopadhyay, A., Choudhury, S. & Chattopadhyay, A. Diffraction of magnetoelastic shear waves in a self-reinforced medium by a rigid strip 29, 1998, 81-94
- Chattopadhyay, A., Keshri, A. & Choudhary, S. Propagation of a crack due to shear waves in a non-homogeneous medium of monoclinic type 25, 1994, 1195-1206
- Chattopadhyay, A., Saha, S. & Chakraborty, M. The reflection of SV-waves in a monoclinic medium 27, 1996, 1029-1042
- Chattopadhyay, C. *See* Bandyop, C. & Chattopadhyay, C.
- Chattopadhyay, C. & Bandyopadhyay, C. D-spaces and the associated topology 27, 1996, 49-56
- Chattopadhyay, K. C. The maximal

- congruences on  $C^+(X)$  30, 1999, 449-458
- Chattopadhyay, K. C. & Guin, S. Cluster generated  $f$ -nearnesses 27, 1996, 1213-1224; The order structure of Waliman nearnesses 25, 1994, 319-330
- Chaudhari, J. N. & Gupta, V. Weak primary decomposition theorem for right Noetherian semirings 25, 1994, 647-654
- Chaudhary, M. S. See Patil, G. H. & Chaudhary, M. S
- Chaudhary, M. S. & Thorat, S. P. On Fourier-Jacobi transformation 27, 1996, 157-164
- Chaudhuri, P. K. & Ray, S. Torsion of nonhomogeneous elastic half-space with embedded penny shaped flaws 24, 1993, 801-815
- Chaudhuri, P. K. & Sen, S. Penny-shaped crack under torsion in a transversely isotropic solid with variable elastic coefficients 23, 1992, 67-74
- Chaudhuri, S. See Dass, K. C. & Chaudhuri, S.
- Chaudhury, G. On a Poisson queue with general setup time and vacation period 27, 1996, 1199-1212
- Chaudhury, S. See Ray, M. K., Chaudhury, S. & Banerji, S.
- Chauhan, R. S. See Sharma, J. N. & Chauhan, R. S.
- Chaurasia, V. B. L. & Godika, A. Operational calculus in two variables and special functions 31, 2000, 675-686
- Chaurasia, V. B. L. & Lal, G. Use of the  $H$ -function of several complex variables and a general class of polynomials in heat conduction in a rod under the robin condition 23, 1992, 489-496
- Chaurasia, V. B. L. & Tyagi, S. Integral's involving generalized Lauricella's function and the  $H$ -function of several complex variables 22, 1991, 397-402
- Chen, G. Y. See Lee, G. M., Lee, B. S., Kim, D. S. & Chen, G. Y
- Chen, M. S. & Chang, Y. W. The optimal arrangement of communication centres linked by a trunk 25, 1994, 815-824
- Chen, S. See Shi, Y. & Chen, S.
- Chennappan, N. & Karthikeyan, S. Paranormal composition operators 31, 2000, 591-602
- Chetiya, B. P. See Dutta, S. K., Patra, K. & Chetiya, B. P.
- Chetiya, B. P., Dutta, S. K. & Patra, K. On the existence of two-generator finite solvable groups with short derived series 27, 1996, 469-474
- Chhabra, R. K. & Trehan, S. K. The effect of mass and heat transfer of Rayleigh-Taylor stability 25, 1994, 541-550; The effect of a magnetic field on finite amplitude surface capillary-gravity waves 26, 1995, 459-470
- Chhabra, R. K. See Singla, R. K., Chhabra, R. K. & Trehan, S. K.
- Chidume, C. E. Approximation of fixed points of quasi-contractive mappings in  $L_p$  spaces 22, 1991, 273-286

- Chinda, K. P. & Aggarwal, K. Cancellable  $H$ -groupoids and applications of acts to  $H$ -groupoids 26, 1995, 969-984
- Choakjarernwanit, N. See Pudil, P., Novovicova, J., Choakjarernwanit, N. & Kittler, J.
- Cho, J. T. Natural generalizations of locally symmetric spaces 24, 1993, 231-240; Real hypersurfaces of a complex hyperbolic space satisfying a pointwise nullity condition 31, 2000, 265-276
- Cho, M. H. See Kang, S. M., Hwang, H. T. & Cho, M. H.
- Cho, N. E., Kim, I. H., Nunokawa, M. & Owa, S. Angular estimations of certain analytic functions 29, 1998, 321-332
- Cho, S. J. Mazur intersection properties in Lebesgue-Bochner function spaces 27, 1996, 1229-1236
- Cho, Y. J. See Chang, S. S., Cho, Y. J. & Kim, J. K.; also see Shim, S. H. *et al.*
- Choi, J. Explicit formulas for Bernoulli polynomials of order  $n$  27, 1996, 667-674; On a generalization of the Hurwitz zeta function 23, 1992, 83-92
- Choi, J. & Seo, T. Y. Evaluation of some finite series 28, 1997, 791-796; Identities involving series of the Riemann zeta function 30, 1999, 649-652
- Choi, J. H. A note on differential subordination associated with  $H$ -function 29, 1998, 1217-1226
- Choi, U. J. See Kwak, D. Y. & Choi, U. J.
- Choi, Y.S. & Kim, S. G. Extreme Polynomials on  $Co$  29, 1998, 983-990
- Chon, I. Some strictly infinitesimally generated semigroups 29, 1998, 1151-1158
- Choudhary, A. On equal sums of sixth powers 25, 1994, 837-842
- Choudhary, B. See Parashar, S. D. & Choudhary, B.
- Choudhary, B. & Mishra, S. K. On K $\ddot{u}$ the-Toeplitz duals of certain sequence spaces and their matrix transformations 24, 1993, 291-302
- Choudhary, G. A Poisson queue under  $n$ -policy with a general setup 28, 1997, 1595-1608
- Choudhary, S. See Banerji, P. K. & Choudhary, S.
- Choudhary, S. See Chattopadhyay, A., Keshri, A. & Choudhary, S.
- Choudhry, A. On equal sums of fifth powers 28, 1997, 1443-1450. On the diophantine equation  $A^4 + hB^4 = C^4 + hD^4$  26, 1995, 1057-1062; The Diophantine equation  $A^4 + B^4 = C^4 + D^4$  22, 1991, 9-12, The Diophantine Equation  $A^4 + B^4 = C^4 + D^4$  29, 1998, 1127-1136
- Choudhry, R. & Das, A. Elastico-viscous flow and heat transfer between two rotating discs of different transpiration 28, 1997, 1649-1663; Magneto-hydrodynamic boundary layer flows of non-Newtonian fluid past a flat plate 31, 2000, 1429-1442
- Choudhury, S. See Chattopadhyay, A., Choudhury, S. & Chattopadhyay, A.

- Choudum, S. A. & Kishore, S. P. M. All 5-stars are Skolem graceful 27, 1996, 1101-1106
- Chowdhury, K. C. See Masum, Ad. A., Saikia, H. K., Chowdhury, K. C.
- Chowdhury, K. C., Masum, A. & Saikia, H. K. FSD N-groups with ACC on annihilators 24, 1993, 747-756
- Chukwu, E. N. Volterra integrodifferential neutral dynamics for the growth of wealth of nations: A controllability theory 29, 1998, 723-800
- Cinar, I. On non-isotropic Riesz potentials 28, 1997, 1197-1206
- Ciric, L. Convergence theorems for a sequence of Ishikawa iteration for nonlinear quasi-contractive mappings 30, 1999, 425-434; On some multi-valued mappings without contractivity conditions and common fixed points 30, 1999, 99-108; On some nonexpansive type mappings and fixed points 24, 1993, 145-150
- Ciric, M. See Bogdanovic, S. & Ciric, M.
- Ciric, M. & Bogdanovic, S. 0-Archimedean semigroups 27, 1996, 463
- Coffey, J. A  $D/D/1$  queueing process with varying service times 31, 2000, 111-116
- Collinson, J. E. Products of  $p + a$  and the graphs of I. Katai 23, 1992, 429-432
- Comic, I. The curvature theory of strongly distinguished connection in the recurrent K. Hamilton space 23, 1992, 189-202
- Coskun, C. On the spectrum of weighted mean matrices on  $bv$  28, 1997, 671-678
- Cserpan, I. See Balint, I., Kocsor, A., Cserpan, I. & Fodor, K.
- Cuchillo-Ibañez, E. Transfinite dimension and compactifications 30, 1999, 71-82
- Cueva, M. C. Some classes of non-Archimedean locally convex spaces 24, 1993, 587-594
- Cueva, M. C. & Vinagre, C. T. M. Sequences in non-Archimedean locally convex spaces 25, 1994, 955-962
- Cui, B. T. See Lalli, B. S., Yu, Y. H. & Cui, B. T.
- Cui, B. T. See Li, W. N. & Cui, B. T.
- Dachraoui, A. & Trimhche, K. Pseudo-differential operators associated with a singular differential operator in  $]0, +\infty[$  30, 1999, 525-544
- Dalal, D. C. See Mazumdar, H. P., Ganguly, U. N. (Habishyasi), Ghorai, S. & Dalal, D. C.
- Daniel Thanapalan, P. T. Locally nearly Paralindelvf spaces 23, 1992, 561-568; On mappings of (locally) almost and (locally) nearly Paralindelvf spaces 23, 1992, 867-872; One-point extensions of locally almost paralindelof spaces 25, 1994, 851-860
- Daras, N. J. Continuity of distributions and global convergence of Pade-type approximants in Runge domains 26, 1995, 121-130
- Daruis, L. & Gnzañez-Vera, P. Some results about interpolation with nodes on the unit circle 31, 2000, 1273-1296

- Darus, M. & Thomas, D. K.**  $\alpha$ -Logarithmically convex Functions 29, 1998, 1049-1060
- Das, A.** See Choudhury, R. & Das, A.
- Das, A. K.** See Das, R. K. & Das, A. K.; also see Das, R. K., Das, A. K. & Das, A. R.
- Das, A. K.** See Khare, S. S. & Das, A. K.
- Das, A. K.** See Prasad, A., Srivastava, G. P., Das, R. K. & Das, A. K.
- Das, A. K. & Das, R. K.** Periodic orbits of collision in photogravitational circular restricted problem of three bodies in a three dimensional co-ordinate system 23, 1992, 251-254
- Das, A. K. & Khare, S. S.** A product formula for cobcat and some calculations 25, 1994, 405-410
- Das, A. R.** See Das, R. K., Das, A. K. & Das, A. R.
- Das, B.** See Dubey, B. & Das, B.
- Das, B.** Stress concentration in elastic layered media due to thermal effect 23, 1992, 145-158
- Das, B. N.** Evaluation of integral forming diagonal element of matrices appearing in problems on electromagnetics 30, 1999, 1073-1080
- Das, N. C. & Lahiri, A.** Thermoelastic interactions due to prescribed pressure inside a spherical cavity in an unbounded medium 31, 2000, 19-36; Three dimensional coupled thermoelastic interactions due to instantaneous point heat source 30, 1999, 925-936
- Das, N. C., Lahiri, A. & Dutta, S.** Thermal stresses in a transversely isotropic elastic medium due to instantaneous heat sources 27, 1996, 701
- Das, N. C., Lahiri, A. & Giri, R. C.** Eigenvalue approach to generalized thermoelasticity 28, 1997, 1573-1594
- Das, N. R. & Das, P.** Mixed topological groups 22, 1991, 323-330
- Das, P.** See Lahiri, B. K. & Das, P.
- Das, P. K.** Statistics and its applications to meteorology 26, 1995, 531-546
- Das, P. K. & De, S. S.** A susceptible-infected removal (SIR) epidemic model 31, 2000, 783-796
- Das, R. K.** See Das, A. K. & Das, R. K.
- Das, R. K.** See Prasad, A., Srivastava, G. P., Das, R. K. & Das, A. K.
- Das, R. K. & Das, A. K.** On periodic orbits in the circular restricted problems of three bodies in a three-dimensional coordinate system 22, 1991, 525-530
- Das, R. K., Das, A. K. & Das, A. R.** On periodic orbits in the elliptic restricted problem of three bodies in a three dimensional co-ordinate system 24, 1993, 337-346
- Das, S.** See Singh, P. C., Das, S., Patra, B. & Maulik, T. N.
- Das, U. N. & Ahmed, N.** Free convective MHD flow and heat transfer in a viscous incompressible fluid confined between a long vertical wave wall and a parallel flat wall 23, 1992, 295-304
- Das, P.** See Das, N. R. & Das, P.

- Dasgupta, S.** The evolution of the D2 of Mahalanobis 26, 1995, 485-502
- Dash, G. C.** Magnetic field effects on the free convection and mass transfer flow through porous medium with constant suction and constant heat flux 31, 2000, 1-18
- Dash, G. C.** See Acharya, M., Dash, G. C. & Singh, L. P.
- Dash, N.** See Panda, G. K. & Dash, N.
- Dass, K. C. & Chaudhuri, S.** Soliton solution of Einstein field equations from non-diagonal seed 22, 1991, 963-970
- Dauer, J. P.** See Balachandran, K. & Dauer, J. P.
- Davar, S.** See Kaul, R. N., Suneja, S. K. & Davar, S.
- Dave, B. I.** See Singhal, J. P. & Dave, B. I.
- De, J. & Patra, B.** Dynamic punch problems in an orthotropic elastic half-plane 25, 1994, 767-776
- De, S. K.** Stress distribution due to Griffith cracks at the interface of two dissimilar media 31, 2000, 1135-1150
- De, S. S.** See Das, P. K. & De, S. S.
- De, U. C.** See Kamilya, D. & De, U. C.
- De, U. C.** See Sengupta, J., De, U. C. & Binh, T. Q.
- Dhbes, P.** Density results for Hilbert subsets 30, 1999, 109-128
- Debnath, S. C.** See Tiwari, K. & Debnath, S. C.
- Dedania, H. V.** See Bhatt, S. J. & Dedania, H. V.
- Deekshatulu, B. L., Subhadra, P., Sasikala, K. R., Padmapriya, K. V. N., Lakshmi, V. U., Karunakar, T., Narasimha Rao, P. V., Vidyadhar, M. S. R. R., Kamaraju, M. V. V.** On some applications of statistical methods in remote sensing 26, 1995, 579-598
- Delbosco, D.** Some remarks on best approximation and fixed points 30, 1999, 745-748
- Demirci, K.** A criterion for a-statistical convergence 29, 1998, 559-564; Strong A-summability and A-statistical convergence 27, 1996, 589-594
- Denis, R. Y.** On generalization of certain continued fractions 22, 1991, 73-76
- Deshpande, A. G. & Ghosh, S. G.** Numerical study of the unsteady flow in fluid-particle suspension from an infinite rotating disk 27, 1996, 207-216
- Deshwal, P. S. & Nandal, J. S.** On torsion of rectangular beams with holes at the centre 22, 1991, 425-438
- Deshwal, P. S. & Rathi, S.** Rayleigh wave scattering at the edge of pack-ice in shallow oceans 27, 1996, 1043-1056
- Deshwal, S.** See Kumar, R. & Deshwal, S.
- Devi, R., Balachandran, K. & Maki, H.** Generalized-closed maps 29, 1998, 37-50; Semi-generalized homeomorphisms and generalized semi-homeomorphisms in topological spaces 26, 1995, 271-284
- Dewan, S.** Quasi-relation on ternary semigroup 28, 1997, 753-766; also see Dixit, V. N. & Dewan, S.

- Dhagat, V. B. *See* Sharma, B. K., Dhagat, V. B. & Gupta, G
- Dhage, B. C. General existence principles for first order discontinuous ordinary differential equations 28, 1997, 617-624; Monotone method for differential inequalities for the boundary value problems; On common fixed points of pairs of coincidentally commuting mappings in  $D$ -metric spaces 30, 1999, 395-406; Some results on common fixed points - I 30, 1999, 827-838
- Dhage, B. C. & Heikkilä, S. On discontinuous second order boundary value problems with deviating arguments in ordered Banach spaces 30, 1999, 787-800
- Dhage, B. C. & Sharma, S. Approximate common fixed points of some quasi-contraction mappings 23, 1992, 763-772
- Dhage, B. C., Heikkilä, S. & Kumpulainen, M. On common fixed points with applications to differential equations in ordered Banach spaces 26, 1995, 411-416
- Dhakne, M. B. Global existence of solutions of nonlinear functional integral equations 30, 1999, 735-744
- Dhakne, M. B. & Pachpatte, B. G. On a quasilinear functional integrodifferential equation in a Banach space 25, 1994, 275-298; On some abstract functional integrodifferential equations 22, 1991, 109-134
- Dhaliwal, R. S. *See* Li, H. & Dhaliwal, R. S.; *also see* Wang, J., Dhaliwal, R. S. & Majumdar, S. R.
- Dhaliwal, R. S., Saxena, H. S. & Rokne, J. G. Penny-shaped crack in a non-homogeneous isotropic elastic half-space under axisymmetric torsion 23, 1992, 887-904
- Dhar, R. S. *See* Singh, A. P. & Dhar, R. S.
- Dheena, P. & Rajeswari, C. Weakly regular near-rings 28, 1997, 1207-1214
- Diday, E. Probabilist, possibilist and belief objects for pattern recognition by data analysis 25, 1994, 51-70
- Dimitrova, M. B. *See* Bainov, D. D. & Dimitrova, M. B.
- Ding, X. P. A new class of generalized strongly nonlinear quasi variational inequalities and quasi complementarity problems 25, 1994, 1115-1128; Coincidence theorems and equilibria of generalized games 27, 1996, 1057-1072; Coincidence theorems and generalized equilibrium in topological spaces 30, 1999, 1053-1062; Equilibrium existence theorems of abstract economics in  $H$ -spaces 25, 1994, 309-318; General algorithm for nonlinear variational-like inequalities in reflexive Banach spaces 29, 1998, 109-120; Iterative solution of equation  $f \in x + Tx$  for a accretive operator  $T$  in uniformly smooth Banach spaces 28, 1997 13-22; New  $H$ -KKM theorems and their applications to geometric property, coincidence
- Dishliev, A. B. *See* Bainov, D. D., Dishliev, A. B. & Hristova, S. G.
- Diwedi, D. K. *See* Pandey, T. N. & Diwedi, D. K.

- Dixit, K. K. & Pal, S. K. On a class of univalent functions related to complex order 26, 1995, 889-896
- Dixit, V. N. & Dewan, S. Minimal quasi-ideals in ternary semigroups 28, 1997, 625-632
- Djordjevic, D. S. & Stanimirovic, P. S. Applications of the Groetsh theorem 31, 2000, 277-286
- Djoric, M. Characterizations of complex space forms and locally Hermitian symmetric
- Glaska, K. & Ganster, M. S-sets and co-S-closed topologies 23, 1992, 731-738
- Glaska, K., Ergun, N. & Ganster, M. On the topology generated by semi-regular sets 25, 1994, 1163-1170
- Dogru, O. See Gadjiev, A. D. & Dogru, O.
- Dontchev, J. On door spaces 26, 1995, 873-882; The characterization of spaces and maps via semi-preopen sets 25, 1994, 939-948
- Dragomir, S. S. A new improvement of Jensen's inequality 26, 1995, 959-968; *also see* Fedotov, I. & Dragomir, S. S.; Some integral inequalities of Grüss type 31, 2000, 397-416
- Dragomir, S. S., Cerone, P. & Sofo, A. Some remarks on the trapezoid rule in numerical integration 31, 2000, 475-494
- Dube, C. B. See Prasad, C. M. & Dube, C. B.
- Dubey, B. Modelling the effect of toxicant on forestry resources 28, 1997, 1-12
- Dubey, B. & Das, B. Modelling the interaction of two predators competing for a prey in a diffusive system 31, 2000, 823-838
- Dubey, Y. P. See Rana, S. S. & Dubey, Y. P.
- Duggal, B. P. On unitary parts of contractions 25, 1994, 1243-1248
- Duhi, O. P. See Prasad, B. N., Prasad, C. M. & Duhi, O. P.
- Dumir, V. C. & Sehmi, R. Positive values of non-homogeneous indefinite quadratic forms of type (3, 2) 23, 1992, 827-854; Positive values of non-homogeneous indefinite quadratic forms of signature 1 23, 1992, 855-864
- Dumir, V. C., Hans-Gill, R. J. & Wilker, J. B. View-obstruction and a conjecture of Schoenberg 27, 1996, 323-342
- Durrani, I. R. & Bhatti, Z. R. On the stabilisation of explosive instabilities by nonlinear frequency shifts 31, 2000, 989-998
- Dutta Majumder, D. See Banerjee, D. K., Parui, S. K. & Dutta Majumder, D.; *also see* Lohar, G. & Dutta Majumder, D.; *also see* Pal, S. & Dutta Majumder, D.; *also see* Ray, B. K., Ray, K. S. & Dutta Majumder, D.; *also see* Pal (Pathak), A. & Dutta Majumder, D. K.
- Dutta Majumder, D. & Banerjee, S. Mathematical techniques in biomedical imaging : Problems and prospects 25, 1994, 143-180
- Dutta, S. See Das, N. C., Lahiri, A. & Dutta, S.



- Dutta, S. K. *See* Chetiya, B. P., Dutta, S. K. & Patra, K.; *also see* Sen, R. N. & Dutta, S. K.
- Dutta, S. K., Patra, K. & Chetiya, B. P. ZS-metacyclic groups of automorphisms of compact Riemann surfaces 28, 1997, 63-74
- Dwarakanath, S. *See* Maralabhavi, Y. B. & Dwarakanath, S.
- Dwivedi, P. K. *See* Prasad, B. N., Pandey, T. N. & Dwivedi, P. K.
- El-Akkad, F. A. *See* El-Sirafy, I. H., Abdel-Moneim, A. M. & El-Akkad, F. A.
- Elazab, S. S. Magnetohydrodynamic stability of compressible streaming jet 26, 1995, 823-830
- Elbashbeshy, E. M. A. Heat and mass transfer along a vertical plate in the presence of a magnetic field 27, 1996, 621-632
- El-Mahdy, S. S. On graded fully idempotent modules 28, 1997, 767-774
- El-Sayed Ibrahim, S. Boundary conditions for regularly solvable operators in the direct sum spaces 24, 1993, 665-690
- El-Shaboury, S. M. The libration points of a triaxial satellite in the photogravitational restricted problem of three bodies 22, 1991, 703-714; Three-dimensional periodic solutions around collinear equilibrium points of generalized Hill's problem 23, 1992, 497-508
- El-Sirafy, I. H., Abdel-Moneim, A. M. & El-Akkad, F. A. Some analytical problems in the deflections of clamped isotropic plates with regular curvilinear polygonal boundaries 22, 1991, 413-424
- Elzab, S. S. Self-gravitating instability of a rotating streaming fluid jet 25, 1994, 1311-1316
- Endo, H. On invariant submanifolds of contact metric manifolds 22, 1991, 449-454
- Enginer, Y., Hortascu, M., Kaya, R., Ozdemir, N., Ulker, K. & Yapiskan, B. Quantum fluctuations of some gravitations waves 29, 1998, 1029-1048
- Erdogan, M. & Ikawa, T. On conformally flat Lorentzian spaces satisfying a certain condition on the Ricci tensor 26, 1995, 417-424
- Ergun, N. *See* Dlaska, K., Ergun, N. & Ganster, M.
- Esi, A. & Mikali, Et Some new sequence spaces defined by a sequence of Orlicz functions 31, 2000, 967-974
- Ethishan, H. *See* Hamad, H. & Ethishan, H.
- Evans, G. S. *See* Rudraiah, N., Wagner, C., Evans, G. S. & Friedrich, R.
- Exton, H. An equation of Ince: the confluent Mathieu equation 23, 1992, 649-656; Generating functions of a quadruple hypergeometric polynomial SL symmetry 25, 1994, 1281-1290; New generating relations for products of two Laguerre polynomials 24, 1993, 401-408; On a Kampi de Firiet function associated with the confluent Heun equation 30, 1999, 749-752;

- Reduction formulae for triple Gaussian hypergeometric series 30, 1999, 885-888; Triple Gaussian hypergeometric functions I 25, 1994, 1073-1080, Triple Gaussian hypergeometric functions-II 26, 1995, 807-812
- Ezzat, M. A. Magnetohydrodynamic unsteady flow of a non-Newtonian fluid past an infinite porous plate 25, 1994, 655-664
- Fadrani, V. See Rostami, D. & Fadrani, V.
- Fan, X. L. See Li, W. T., Fan, X. L. & Zhong, C. K.
- Fang, J. C. See Yang, G. S. & Fang, J. C.
- Fang, M. See Hua, X. & Fang, M.
- Farahmand, K. Exceedance measure of random polynomials 26, 1995, 897-908
- Farnandez, M. See Zen, G., Cabrerizo, J. L. & Fernandez, L. M. & Farnandez, M.
- Fe, X. L. See Li, W. T., Zhang, M. Y. & Fe, X. L.
- Fedotov, I. & Dragomir, S. S. Another approach to quadrature methods 30, 1999, 763-776
- Feng, X. The global Cauchy problem for a higher order nonlinear Schroedinger equation 25, 1994, 583-606
- Fermamdez, F. J. See Balbas, A. Fermamdez, F. J. & Guerra, P. J.
- Fernandez (Sevilla), M. See Cabrerizo, J. L., Carriazo, A., Fernandez, L. M. & Fernandez (Sevilla), M.; also see Cabrerizo, J. L., Carriazo, A., Fernandez, L. M. & Fernandez (Sevilla), M.; also see Cabrerizo, J. L., Fernandez, L. M. & Fernandez, M., also see Zen, G., Cabrerizo, J. L., Fernandez, L. M. & Farnandez, M.; also see Cabrerizo, J. L., Fernandez, L. M. & Fernandez, M.
- Ferrer, J. See Alegre, C., Ferrer, J. & Gregori, V.
- Ferrer, J., Gregori, V. & Alegre, C. A note on pairwise normal spaces 24, 1993, 595-602; Extensions of semi-continuous functions 26, 1995, 103-112
- Fisher, B. See Al-Sirehy, F. & Fisher, B.; also see Kilicman, A., Fisher, B. & Nicholas, J. D.; also see Nicholas, J. D. & Fisher, B., also see Pehlivan, S. & Fisher, B.
- Fodor, K. See Balint, I., Kocsor, A., Cserpan, I. & Fodor, K.
- Fonesca, P. See Prasad, V. S. R. & Fonesca, P.
- Friedrich, R. See Rudraiah, N., Wagner, C., Evans, G. S. & Friedrich, R.
- Fu, J. Common solutions of vector variational inequalities in ordered banach spaces 30, 1999, 355-360; Vector optimization for a class of nonconvex functions 31, 2000, 1537-1544
- Gacki, H., Szarek, T. & Wedrychowicz, S. On existence, and stability of solutions of stochastic integral equations 29, 1998, 175-190
- Gadea, P. M. & Masque, J. M. Symmetric structures on the cotangent bundles of the real and complex Grassmannians 27, 1996, 1-12
- Gadea, P. M. The paracomplex projective spaces as symmetric and natural spaces 23, 1992, 261-276

- Gadea, P. M. & Qubina, J. A.** Homogeneous almost para-Hermitian structures 26, 1995, 351-362
- Gadjiev, A. D. & Dogru, O.** On combination of Riesz potential with non-isotropic kernels 30, 1999, 545-556
- Gadjieva, E. A. & Ibikli, E.** Weighted approximation by Bernstein-Chlodowsky polynomials 30, 1999, 83-88
- Gajic, L.** On the common fixed point for two sequences of self-mappings in uniformizable spaces 24, 1993, 357-364
- Ganesan, S.** *See* Ramanujachari, V., Balakrishna, S. & Ganesan, S.
- Ganeshan, S., Balakrishna, S. & Ramanujachari, V.** Evaluation of mean scalars in non-premixed turbulent flame using beta probability density function 30, 1999, 167-174
- Ganguly (Habishyasi), U. N.** *See* Mazumdar, H. P., Ganguly (Habishyasi), U. N. & Venkatesan, S. K.
- Ganguly, D. K. & Basu, S.** Categorical directional density and some related results 25, 1994, 1129-1134; On ratio sets of real numbers 24, 1993, 15-20
- Ganguly, S. & Basu, C. K.** Further characterizations of s-closed spaces 23, 1992, 635-642
- Ganseter, M.** *See* Arockiarani, I., Balachandran, K. & Ganseter, M.
- Ganster, M.** *See* Dlaska, K. & Ganster, M.; *also see* Dlaska, K., Ergun, N. & Ganster, M.
- Ganster, M., Kanibir, A. & Reilly, I. L.** Two comments concerning topological spaces 29, 1998, 965-968
- Garg, G. L. & Goel, A.** Convergence and perfect maps in metric spaces 27, 1996, 633-638
- Garg, N. R.** *See* Madan, D. K. & Garg, N. R.
- Garg, N. R.** Static and quasi-static deformation of a half-space due to a long strike slip dislocation 23, 1992, 159-170
- Garg, N. R. & Sharma, R. K.** Displacements and stresses at any point of a transversely isotropic multilayered half-space due to strip-loadings 22, 1991, 859-878; Two-dimensional deformation of a vertically inhomogeneous orthotropic multilayered medium due to general surface loads 22, 1991, 1035-1050
- Garg, N. R., Singh, S. J. & Rani, S.** Static deformation of a stratified medium by general surface loads 23, 1992, 675-692
- Garg, U.** *See* Khanduja, S. K. & Garg, U.
- Garimella, R. V.** Prime ideals and the continuity of derivations on integral domains 22, 1991, 1013-1018; Prime ideals and the image of a derivation on a local Banach algebra 24, 1993, 91-96; Zariski topology and separating ideals in commutative Banach algebras 28, 1997, 311-318
- Gaur, N.** *See* Goyal, S. P., Jain, R. M. & Gaur, N.

- Gaur, V. K. *See* Moharir, P. S. & Gaur, V. K.
- Gavrilesu, M. *See* Georgescu, A., Gavrilesu, M. & Palese, L.
- Ge, W. *See* He, Z & Ge, W.
- Geetha, S., Joseph, T. & Vedan, M. J. Generalized hydromechanical variational principle and conservation of potential vorticity 26, 1995, 1205-1210
- Georgescu, A., Gavrilesu, M. & Palese, L. Neutral thermal hydrodynamic and hydromagnetic stability hypersurfaces for a micropolar fluid layer 29, 1998, 575-582
- Georgiadis, H. G. *See* Brock, L. M. & Georgiadis, H. G.
- Gervacio, S. V. & Aquino-Ruivivar, L. Construction of  $r$ -regular singular graphs 31, 2000, 499-504
- Gesu, V. Di Dynamic study of the graphs KNN and KMST 25, 1994, 39-50
- Ghani, B. A. Asymptotic representations for solutions of one fourth-order nonlinear differential euquation (I) 29, 1998, 345-368; Asymptotic representations for solutions of one fourth-order nonlinear differential equation (II) 29, 1998, 369-388
- Ghazanfari, A. & Niknam, A. Invariant means on the isometry semigroups of  $C^*$ -algebras and non Neumann algebras 30, 1999, 683-686
- Ghorai, S. *See* Mazumdar, H. P., Ganguly, U. N. (Habishyasi), Ghorai, S. & Dalal, D. C.
- Ghosal, S. K. & Chakraborty, P. On the viability of a flat-space-time theory of gravitation 22, 1991, 845-854
- Ghosh, D. & Srivastava, P. D. On some vector valued sequence spaces defined using a modulus function 30, 1999, 819-826
- Ghosh, N. K. Ring source potential outside a vertical coaxial circular cylinder immersed in a liquid with an intertial surface in the presence of surface tension 23, 1992, 75-82
- Ghosh, P. Waves due to initial axisymmetric disturbances at the inertial interface between two superposed fluids 31, 2000, 1123-1134
- Ghosh, S. G. *See* Deshpande, A. G. & Ghosh, S. G.
- Ghosh, S. K. Hall effects on hydromagnetic convective flow in a rotating channel 25, 1994, 991-1000
- Ghosh, S. N. *See* Haldar, K. & Ghosh, S. N.
- Gilkey, P. B. *See* Blazic, N., Bokan, N. & Gilkey, P. B.
- Gillard, J. *See* Boeckk, E., Gillard, J. & Vanhecke, L.
- Giri, R. C. *See* Das, N. C., Lahiri, A. & Giri, R. C.
- Gnanambal, Y. On generalized preregular closed sets in topological spaces 28, 1997, 351-360
- Gnanambal, Y. & Balachandran, K. On GPR-continuous functions in topological spaces 30, 1999, 581-594
- Gnanaseelan, C. *See* Srivastava, P. D. & Gnanaseelan, C.

- Gonzalez-Vera, P. *See* Daruis, L. & Gonzalez-Vera, P.
- Godika, A. *See* Chaurasia, V. B. L. & Godika, A.
- Goel, A. *See* Garg, G. L. & Goel, A.
- Goel, A. K. Note on a paper of Sharma and Kumar 26, 1995, 391-392
- Goel, A. K. & Agarwal, S. C. Shear flow instability of viscoelastic fluid in a porous medium 29, 1998, 969-982; A numerical study of the hydromagnetic thermal convection in a viscoelastic dusty fluid in a porous medium 29, 1998, 929-940
- Goel, A. K., Agrawal, S. C. & Agarwal, G. S. Hydromagnetic stability of an unbounded couple stress binary fluid mixture having vertical temperature and concentration gradients with rotation 30, 1999, 991-1002
- Goel, A. K., Agrawal, S. C. & Jaimala. Shear flow instability of an incompressible viscoelastic second order fluid in a porous medium 28, 1997, 563-574
- Gogna, M. L. *See* Sharma, M. D. & Gogna, M. L.; *also see* Sharma, U., Viswanathan, K., Singh, K. & Gogna, M. L.
- Gonzalez, L. V. *See* Di Marco, S. C. & Gonzalez, L. V.
- Gonzalez, R. L. V. & Aragone, L. S. A Bellman's equation for minimizing the maximum cost 31, 2000, 1621-1632
- Gonzalez-Davila, J. C. & Vanhecke, L. D'Atri spaces and C-spaces in flow geometry 29, 1998, 487-500
- Gopalan, M. N. & Kannan, S. Multi-type rework in two-stage production systems—expected output 25, 1994, 1303-1310
- Gornicki, J. & Rhoades, B. E. A general fixed point theorem for involutions 27, 1996, 13-24
- Goyal, M. & Bansal, J. L. MHD accelerated motion on a body placed symmetrical to the flow in the presence of transverse magnetic field fixed relative to the body 24, 1993, 4765-488
- Goyal, S. P. & Audich, S. A general class of multivariate distributions involving Fox's H-functions 22, 1991, 77-82
- Goyal, S. P., Jain, R. M. & Gaur, N. Fractional integral operations involving a product of generalized hypergeometric functions and a general class of polynomials II 23, 1992, 121-128; Fractional integral operators involving a product of generalized hypergeometric functions and a general class of polynomials 22, 1991, 403-412
- Gregori, V. *See* Alegre, C., Ferrer, J. & Gregori, V.
- Grover, V. K. *See* Bhandari, A. K., Grover, V. K. & Sankaran, N.
- Grulovic, M. Z. & Kurilic, M. S. On separatedness of reduced ideal-product 28, 1997, 921-928
- Grzaslewicz, R. & Khalil, R. Compact exposed  $l^p$ -operators 29, 1998, 617-620
- Gu, H. & Yang, D. Least-squares mixed finite element method for Sobolev equations 31, 2000, 505-518

- Guerra, P. J.** See Balbas, A. Fermamdez, F. J. & Guerra, P. J.
- Guha, O. P.** See Saxena, R. K., Sethi, P. L. & Guha, O. P.
- Guin, S.** See Chattopadhyay, K. C. & Guin, S
- Gulcu, A.** See Nuray, F. & Gulcu, A.
- Guleria, O. C.** See Sharma, B. B., Guleria, O. C. & Kumar, A.
- Guo, B. Z. & Luo, Z. H.** On the analytic solution of a controlled flexible arm system with structural damping 25, 1994, 1223-1228
- Guo, D.** Existence and uniqueness of positive fixed points for noncompact decreasing operators 31, 2000, 551-562; Minimal nonnegative solutions for impulsive integro-differential equations on unbounded domains in Banach spaces 29, 1998, 1-18; On global solutions of nonlinear integral equations in Banach spaces 27, 1996, 57-72
- Gupta, A. P., Kumar, Y. & Sharma, N.** Forced motion of semi-infinite plate of parabolically varying thickness 28, 1997, 1469-1480
- Gupta, A. S.** Propagation of MHD thermoconvective waves 28, 1997, 713-724
- Gupta, B. R. & Bhatnagar, K. B.** Resonance in the restricted problem of three bodies 23, 1992, 463-476
- Gupta, G.** See Sharma, B. K., Dhagat, V. B. & Gupta, G.
- Gupta, J. R. & Mohan, H.** On the limitations of the linear growth rate in Veronis' and Stern's thermohaline configurations 24, 1993, 61-68
- Gupta, K.** See Arya, S. P. & Gupta, K.; also see Gupta, R. K. & Gupta, K
- Gupta, M. P.** See Saxena, V. P. & Gupta, M. P
- Gupta, M. R.** See Lata, S., Rana, O. H. & Gupta, M. R.
- Gupta, N.** See Saxena, R. K. & Gupta, N.
- Gupta, P. & Bhatia, D.** Multiparametric analysis of the maximum tolerance in linear fractional programming problem 30, 1999, 611-628
- Gupta, R. K.** See Saxena, R. K. & Gupta, R. K.
- Gupta, R. K. & Gupta, K.** Steady flow of an elastico-viscous fluid in porous coaxial circular cylinders 27, 1996, 423
- Gupta, S.** See Suneja, S. K. & Gupta, S.
- Gupta, S. K. & Pathak, S.** Elastic-plastic transition in non-homogeneous thick walled rotating cylinders 30, 1999, 1297-1310
- Gupta, S. K. & Sharma, S.** Thermo elastic-plastic transition of non-homogeneous thick walled circular cylinder under internal pressure 28, 1997, 1621-1634; Thermo-creep transition of non-homogeneous thick walled circular cylinder under internal problem 29, 1998, 1111-1126
- Gupta, S. K. & Shukla, R. K.** Creep stresses in a cylinder under internal pressure having variable compressibility 24, 1993, 417-426; Effect of non-homogeneity on

- elastic-plastic transition in a thin rotating disc 25, 1994, 1089-1098,  
Elastic-plastic transition in an orthotropic shell under internal pressure 23, 1992, 243-250
- Gupta, S. K., Sharma, S. & Pathak, S.** Creep transition in a thin rotating disc having variable thickness and variable density 31, 2000, 1235-1248,  
Creep transition in non-homogeneous thick walled rotating cylinders 31, 2000, 1579-1594
- Gupta, U. S.** See Ansari, A. H. & Gupta, U. S.
- Gupta, U. S.** See Lal, R., Gupta, U. S. & Rastogi, S.
- Gupta, U. S. & Ansari, A. H.** Asymmetric vibrations of polar orthotropic circular plates of parabolically varying profile with restrained elastic edge 28, 1997, 1513-1534
- Gupta, U. S., Lal, R. & Jain, S. K.** Vibration and buckling of parabolically tapered polar orthotropic circular plates on an elastic foundation 24, 1993, 607-632
- Gupta, U. S., Lal, R. & Sagar, R.** Effect of an elastic foundation on axisymmetric vibrations of polar orthotropic mindlin circular plates 25, 1994, 1317-1326
- Gupta, V.** See Chaudhari, J. N. & Gupta, V.
- Gupta, Y. K. & Sharma, J. R.** On similarity solutions for type *D* spherical and pseudo-spherical fluid distribution in 5-flat form 27, 1996, 723-730
- Gurcay, H.** Groups of positive composition operators on  $CO(X, (n))$  28, 1997, 1295-1302
- Hadzic, O.** Fixed point theorems for multivalued probabilistic  $(\psi)$ -contractions 25, 1994, 825-836,  
Two almost fixed point theorems for multivalued mappings in topological vector spaces 27, 1996, 387-392
- Hahn, S., Kim, G. & Kim, Y. S.** A decoding algorithm for orthogonal latin square codes 28, 1997, 1235-1240
- Hai, N. T.** See Yakubovich, S. B., Hai, N. T. & Buschman, R. G.
- Haldar, K. & Ghosh, S. N.** Effect of a magnetic field on blood flow through an indented tube in the presence of erythrocytes 25, 1994, 345-352
- Halidias, N. & Papageorgiou, N. S.** An existence theorem for nonlinear elliptic equations with multivalued terms 30, 1999, 567-574
- Hamad, H.** On the structure of shock waves in dusty gases 30, 1999, 485-490
- Hamad, H. & Ethishan, H.** Effect of linearity on the structure of shock waves in dusty-gases 24, 1993, 791-800
- Han, H. K.** See Park, J. Y. & Han, H. K.
- Han, H. K.** See Park, J. Y., Han, H. K. & Kwun, Y. C.
- Hans-Gill, R. J.** See Dumir, V. C., Hans-Gill, R. J. & Wilker, J. B.
- Haralick, R. M.** See Chandra, B. & Haralick, R. M.

- Harder, A. M. & Saliga, L. M.** Periodic and fixed point theorems in  $d$ -complete topological spaces 26, 1995, 787-796
- Harder, A., Hicks, T. L. & Saliga, L. M.** Fixed point theorems for non-self maps-III 24, 1993, 151-154
- Harris Kwong, Y. H.** *See* Jayaram, S. R., Harris Kwong, Y. H. & Straight, H. J.
- Hartir, E.** *See* Beggs, E. J. & Hartir, E.
- Hasan, M. R.** A generating solution of the restricted three-body problem in KS-variables 25, 1994, 337-344; *also see* Ahmad, A., Hasan, M. R. & Islam, N.; A generating solution of the small eccentric restricted three-body problem in KS-variables 25, 1994, 777-784
- Hassan, H. M. & Serag, H. M.** Optimal control for quasi-static problem with viscous boundary conditions 31, 2000, 767-772
- Hayek, N. & Acosta, F. P.** Inequalities connected with weighted minimax series 31, 2000, 383-396
- He, J.** In reply to the question of S. N. Bernstein by trigonometric interpolation polynomials 27, 1996, 581-588
- He, Z. & Ge, W.** Oscillations of impulsive delay differential equations 31, 2000, 1089-1102
- Hegde, S. M.** *See* Acharya, B. D. & Hegde, S. M.
- Heikkila, S.** *See* Dhage, B. C. & Heikkila, S.
- Heikkila, S.** *See* Dhage, B. C., Heikkila, S. & Kumpulainen, M.
- Hejazian, S. & Niknam, A.** Modules, annihilators and module derivations of  $JB^*$  27, 1996, 129-140
- Henning, M. A. & Maharaj, H.** Frames of cycles and directed cycles 28, 1997, 647-660
- Henning, M. A. & Swart, H. C.** On  $n$ th order degree regular trees 26, 1995, 777-786
- Herniquez, H. R.** Approximation of abstract functional differential equations with unbounded delay 27, 1996, 357-386
- Hicks, T. L.** *See* Harder, A., Hicks, T. L. & Saliga, L. M.; Set-valued mappings on metric spaces 22, 1991, 269-272
- Hicks, T. L. & Rhoades, B. E.** Comments on a paper by Mukherjee and Som 23, 1992, 255-256
- Hirano, Y. & Park, J. K.** On rings with a Heisenberg pair 26, 1995, 425-432
- Hong, S. M.** *See* Jun, Y. B. & Hong, S. M.
- Hong, S. M., Jun, Y. B. & Meng, J.** Fuzzy interior ideals in semigroups 26, 1995, 859-864
- Hortascu, M.** *See* Enginer, Y., Hortascu, M., Kaya, R., Ozdemir, N., Ulker, K. & Yapiskan, B.
- Hossen, H. M.** *See* Aouf, M. K., Hossen, H. M. & Lashin, A. Y.
- Hristova, S. G.** *See* Bainov, D. D., Dishliev, A. B. & Hristova, S. G.; *also see* Bainov, D. D., Hristova, S. G. & Simeonov, P. S.
- Hu, T., Huang, J. C. & Rhoades, B. E.** A general principle for Ishikawa



- iterations for multi-valued mappings 28, 1997, 1091-1098
- Hua, X. & Fang, M. Meromorphic functions sharing four small functions 28, 1997, 797-812
- Hua, Y. X. X. Normality criteria of families of meromorphic functions 31, 2000, 61-68
- Huang, J. C. *See* Hu, T., Huang, J. C. & Rhoades, B. E.
- Huang, N. The existence of equilibria for generalized abstract economics 29, 1998, 801-810
- Huang, N. J. A general class of nonlinear variational inclusions for fuzzy mappings 29, 1998, 957-964; Completely generalized strongly nonlinear quasi-complementarity problems for fuzzy mappings 28, 1997, 23-32
- Huang, T. J. *See* Huang, Y. Y., Huang, T. J. & Jeng, J. C.
- Huang, T. J. & Huang, Y. J. Fixed point theorems for uniformly Lipschitzian semigroups in metric spaces 26, 1995, 233-240
- Huang, Y. J. *See* Huang, T. J. & Huang, Y. J.
- Huang, Y. Y. Correction to "Fixed point theorems for uniformly Lipschitzian semigroups in metric spaces" 28, 1997, 123-124
- Huang, Y. Y. & Jeng, J. C. Approximating fixed points by iteration processes 28, 1997, 129-138
- Huang, Y. Y., Huang, T. J. & Jeng, J. C. On common fixed points of semigroups in compact metric spaces 27, 1996, 1073-1076
- Huard, J. G., Spearman, B. K. & Williams, K. S. On the set of primes  $p$  which split  $X^3 + B$  modulo  $p$  26, 1995, 301-308
- Huiqin, L. Extremal solutions of nonlinear first order impulsive integro-differential equations in Banach spaces 30, 1999, 1181-1204
- Hui-Zhong, C. An inequality related to a periodic function 22, 1991, 221-224
- Hung, N. J. *See* Shim, S. H., Kang, S. M., Hung, N. J. & Cho, Y. J.
- Hussain, N. *See* Khan, A. R. & Hussain, N.
- Hwang, H. T. *See* Kang, S. M., Hwang, H. T. & Cho, M. H.
- Hymo, J. A. & Parry, C. J. On relative integral bases for pure quadratic fields 23, 1992, 359-376
- Ibikli, E. *See* Gadjieva, E. A. & Ibikli, E.
- Ibraheem, M. A. *See* Obied Allah, M. H. & Ibraheem, M. A.
- Ibrahim, S. E. The point spectra and regularity fields of products of quasi-differential operators 31, 2000, 647-666
- Ikawa, T. *See* Erdogan, M. & Ikawa, T.
- Ikeda, S. Some structural considerations on the theory of fields in higher order spaces 28, 1997, 1099-1106; Some structural considerations on the theory of gravitational field in Finsler spaces; Some structural considerations on the theory of gravitational field in Finsler spaces - II 30, 1999, 1205-1210
- Ilamaran, S. *See* Balachandran, K. & Ilamaran, S.

- Ilori, S. A. & Ajayi, D. O. The height of the first Stiefel-Whitney class of real flag manifolds 31, 2000, 621-624
- Indira, R. *See* Meenakshi, A. R. & Indira, R.
- Inque, A. Decomposition of \*-Homomorphisms of unbounded operator algebras 22, 1991, 983-988
- Iqbal, M. *See* Mushtaq, Q. & Iqbal, M.
- Islam, N. *See* Ahmad, A. & Islam, N.; also *see* Ahmad, A., Hasan, M. R. & Islam, N.
- Iyase, S. A. Periodic boundary value problems for third order ordinary differential equations with delay 26, 1995, 329-338
- Iyyengar, T. K. V. *See* Seshagiri Rao, K. V. & Iyyengar, T. K. V. J.
- Jachymski, J. Common fixed point theorems for some families of maps 25, 1994, 925-938
- Jafari, S. & Noiri, T. On strongly theta-semi-continuous functions 29, 1998, 1195-1202
- Jaimala *See* Bansal, N. Jaimala & Agrawal, S. C.
- Jaimala & Agrawal, S. C. Shear flow instability in a porous medium 22, 1991, 611-626
- Jaimala *See* Goel, A. K., Agrawal, S. C. & Jaimala
- Jain, M. M/M/R Machine repairmen problem with spares and additional repairmen 29, 1998, 517-524
- Jain, M. Reliability analysis of a two unit system with common cause shock failures 29, 1998, 1281-1290
- Jain, P. K., Jarrah, A. M. & Sinha, D. P. Minimal and  $\omega$ -linearly independent sequences in locally convex spaces 22, 1991, 203-212
- Jain, R. M. *See* Goyal, S. P., Jain, R. M. & Gaur, N.
- Jain, S. K. *See* Gupta, U. S., Lal, R. & Jain, S. K.
- Jain, V. K. On cauchy's bound for the modulli of zeros of a polynomials 31, 2000, 957-966; On maximum modulus of polynomials 23, 1992, 815-820; On polynomials having zeros in closed exterior or closed interior of a circle 30, 1999, 153-160; On the zeros of a class of polynomials and related analytic functions 28, 1997, 533-550
- Jain, V. K. & Verma, A. A  $q$ -analogue of Watson's product formula and its applications 28, 1997, 237-256
- Jaker Ali, S. K. & Chakraborty, N. D. On Dunford and Gelfand integrals in locally convex spaces 23, 1992, 203-216
- Janakiram *See* Kulli, V. R. & Janakiram
- Janakiram, B. *See* Kulli, V. R. & Janakiram, B.
- Jarrah, A. M. *See* Jain, P. K., Jarrah, A. M. & Sinha, D. P.
- Jas, P. *See* Pardasani, K. R. & Jas, P.
- Jayaram, S. R. Minimal dominating sets of cardinality two in a graph 28, 1997, 43-46
- Jayaram, S. R., Harris Kwong, Y. H. & Straight, H. J. Neighbourhood sets in graphs 22, 1991, 259-268

- Jelic, M. On pairwise LC-continuous mappings 22, 1991, 55-60
- Jeng, J. C. *See* Huang, Y. Y. & Jeng, J. C., *also see* Huang, Y. Y., Huang, T. J & Jeng, J. C
- Jeong, G. S. & Rhoades, B. E. Some remarks for improving fixed point theorems for more than two maps 28, 1997 1177-1196
- Jeong, J. M. *See* Park, J. Y., Jeong, J. M. & Kwun, Y. C.
- Jeong, J. M., Park, C. Y. & Park, J. Y. Parabolic variational inequalities and their Lipschitz perturbations in Hilbert spaces 31, 2000, 603-620
- Jevtic, M. & Pavlovic, M. On subharmonic behaviour of functions and their tangential derivatives on the unit ball in  $\mathbb{R}^n$  30, 1999, 407-418
- Jeyanthi, P. *See* Avadayappan, S., Vasuki, R. & Jeyanthi, P.
- Jha, B. K. Effect of applied magnetic field 29, 1998, 441-446
- Jha, P. K. Decompositions of the Kronecker product of a cycle and a path into long cycles and long paths 23, 1992, 585-602; Hamiltonian decompositions of products of cycles 23, 1992, 723-730
- Jiang, S. *See* Li, J. & Jiang, S.
- Jiang, T. On the rate of convergence of one linear positive operator for functions of  $\phi$  On the rate of convergence of SSB operator and SSK operator for functions of  $\phi$
- Jiang, Y. & Jurang, Y. Asymptotic behaviour of impulsive delay differential equation 27, 1996, 843-860
- Jian-Hua, Z. Remarks on Herman rings of transcendental meromorphic functions 31, 2000, 747-752
- Jimenez Guerra, P. *See* Balbas, A., Ballve, M. E. & Jimenez Guerra, P.
- Jodar, L. & Navarro, E. Closed analytical solution of Riccati type matrix differential equations 23, 1992, 185-188
- John, L. Construction of biordered sets from vector bundles 31, 2000, 1183-1194
- Joseph, J. P. & Arumugam, S. On connected cutfree domination in graphs 23, 1992, 643-648
- Joseph, T. *See* Geetha, S., Joseph, T. & Vedan, M. J
- Joshi, C. M. & Arya, J. P. Certain inequalities for Appell's  $F_3$  and  $F_4$  22, 1991, 751-756; Some inequalities for the Gauss and Kummer hypergeometric functions 22, 1991, 637-644
- Joshi, C. M. & Basu, S. K. Inequalities for confluent hypergeometric functions of two and three variables 24, 1993, 43-50
- Joshi, S. B. *See* Obradovic, M., Joshi, S. B. & Jovanovic, I.
- Jotic, N. Some fixed point theorems in metric spaces 26, 1995, 947-952
- Jovanovic, I. *See* Obradovic, M., Joshi, S. B. & Jovanovic, I.
- Jun, J. B. *See* Meng, J., Jun, J. B. & Roh, E. H.
- Jun, Y. B. Characterizations of BCI/BCH-algebras 25, 1994, 361-364

- Jun, Y. B. *See* Hong, S. M., Jun, Y. B. & Meng, J.
- Jun, Y. B. *See* Meng, J. & Jun, Y. B.
- Jun, Y. B. & Hong, S. M. Fuzzy deductive systems of Hilbert algebras 27, 1996, 141-152
- Jun, Y. B., Kim, J. Y. & Kim, H. S. Hilbert algebras inherited from the posets 28, 1997, 471-476
- Jung, I. H. *See* Park, H. Y. & Jung, I. H.
- Jung, J. S. *See* Thakur, B. S., Jung, J. S. & Sharma, B. K.
- Jungck, G. & Rhoades, B. E. Fixed points for set valued functions without continuity 29, 1998, 227-238
- Jurang, Y. *See* Jiang, Y. & Jurang, Y.
- Kamaraju, M. V. V. *See* Deekshatulu, B. L., Subhadra, P., Sasikala, K. R., Padmapriya, K. V. N., Lakshmi, V. U., Karunakar, T., Narasimha Rao, P. V., Vidyadhar, M. S. R. R., Kamaraju, M. V. V.
- Kamilya, D. & De, U. C. Some properties of a Ricci quarter symmetric metric connection in a Riemannian manifold 26, 1995, 29-34
- Kandaswamy, P. Exact travelling nonlinear hydrodynamic waves 29, 1998, 951-956; *also see* Srinivasan, V. & Kandaswamy, P.
- Kang, S. M. *See* Shim, S. H., Kang, S. M., Hung, N. J. & Cho, Y. J.
- Kang, S. M., Hwang, H. T. & Cho, M. H. On lp-multiplier convergence of function series 31, 2000, 1221-1228
- Kang, T. H. & Lee, Y. H. Quaternionic CR-submanifolds of an almost quaternionic Kaehler product manifold 30, 1999, 871-884
- Kang, W. K. *See* Kwun, Y. C., Park, D. G. & Kang, W. K.
- Kanibir, A. *See* Ganster, M., Kanibir, A. & Reilly, I. L.
- Kannan, S. *See* Gopalan, M. N. & Kannan, S.
- Kanoria, M., Chakrabarti, A. & Mandal, B. N. On approximate evaluation of infinite integrals involving two parameters 31, 2000, 1211-1220
- Kansu, H. *See* Oczag, E. & Kansu, H.
- Kant, S. & Koul, C. K. On functional relations II 23, 1992, 739-742
- Kant, S. & Koul, C. L. On finite summation formulae 22, 1991, 583-590
- Kanwar, V. *See* Banerjee, M. B., Shandil, R. G., Prakash, J., Bandral, B. S., Lal, P. & Kanwar, V.
- Kapur, J. N. & Sharma, S. On measures of M-entropy 30, 1999, 129-146
- Karachik, V. V. Continuity of polynomial solution with respect to the coefficient of the higher derivative 28, 1997, 1229-1234
- Karde, T. M. *See* Bajpai, K. & Karde, T. M.
- Karthikeyan, C. Bicompletion of quasi-bitopological near-rings and quasi-bitopological N-groups 30, 1999, 211-220
- Karthikeyan, S. *See* Chennappan, N. & Karthikeyan, S.

- Karunakar, T.** *See* Deekshatulu, B. L., Subhadra, P., Sasikala, K. R., Padmapriya, K. V. N., Lakshmi, V. U., Karunakar, T., Narasimha Rao, P. V., Vidyadhar, M. S. R. R., Kamaraju, M. V. V.
- Kaschiek, R. & Klavzar, S.** Improved bounds for the chromatic number of the lexicographic product of graphs 25, 1994, 1267-1274
- Kasi, M. S.** On the radius univalence of certain regular functions 24, 1993, 189-192
- Kathiresan, K. M.** Subdivision of ladders are graceful 23, 1992, 21-24
- Kaul, R. N. & Lalitha, C. S.** A note on arcwise connected and related functions 31, 2000, 1443-1454
- Kaul, R. N. & Lyall, V.** Locally connected functions and optimality 22, 1991, 99-108
- Kaul, R. N., Suneja, S. K. & Davar, S.** Generalized  $\gamma$ -convex and related functions with applications to optimality 30, 1999, 961-974; Duality on pseudolinear multiobjective fractional programming 24, 1993, 279-290
- Kaur, K.** *See* Singh, B. & Kaur, K.
- Kaushik, V. P. & Rana, A.** Transmission of SH waves through a linear viscoelastic layer sandwiched between two anisotropic inhomogeneous elastic halfspaces 28, 1997, 851-864
- Kaya, R.** *See* Enginer, Y., Hortascu, M., Kaya, R., Ozdemir, N., Ulker, K. & Yapiskan, B.
- Kazmi, K. R.** *See* Ahmad, K., Kazmi, K. R. & Siddiqui, Z. A., *also see* Siddiqui, A. H., Ansari, Q. H. & Kazmi, K. R.
- Keshri, A.** *See* Chattopadhyay, A., Keshri, A. & Choudhary, S.
- Khalil, R.** *See* Grzaslewicz, R. & Khalil, R.
- Khan, A. R. & Hussain, N.** Best approximation and fixed point results 31, 2000, 983-988
- Khan, F. M. & Khan, M. A.** Matrix transformations between Cesaro sequence spaces 25, 1994, 641-646
- Khan, M.** *See* Ahmed, B., Khan, M. & Noiri, T.
- Khan, M. A.** *See* Khan, F. M. & Khan, M. A.
- Khan, M. F.** *See* Siddiqui, A. H., Ahmad, R. & Khan, M. F.
- Khan, M. F.** *See* Siddiqui, A. H., Ansari, Q. H. & Khan, M. F.
- Khan, M. F.** *See* Siddiqui, A. H., Khan, M. F. & Ahmad, R.
- Khan, M. S.** *See* Pathak, H. K. & Khan, M. S.
- Khan, M., Ahmad, B. & Noiri, T.** On s-closed subspaces 28, 1997, 175-180
- Khan, M., Noiri, T. & Ahmad, B.** On locally s-closed spaces 27, 1996, 1087-1092
- Khan, Q. A.** *See* Mursaleen & Khan, Q. A.
- Khan, Q. A.** *See* Ahmad, Z. U., Mursaleen & Khan, Q. A.
- Khanduja, S. K. & Garg, U.** On a query of Adrian Wadsworth 30, 1999, 945-950

- Khanduja, S. K. & Saha, J.** The prime and maximal ideals in  $R[X]$ ,  $R$ : A one-dimensional pruffer domain 29, 1998, 1275-1280
- Khanna, M. & Bhatnagar, K. B.** Existence and stability of libration points in the restricted three body problem when the smaller primary is a triaxial rigid body 29, 1998, 1011-1024; Existence and stability of libration points in the restricted three body problem when the smaller primary is a triaxial rigid body and the bigger one an oblate spheroid 30, 1999, 721-734
- Khare, P.** See Rai, B. & Khare, P.
- Khare, S. P. & Pathak, P.** Summability of Fourier-Jacobi series at the point  $x = 1$  22, 1991, 1027-1034
- Khare, S. S.** See Das, A. K. & Khare, S. S.
- Khare, S. S. & Das, A. K.** Which Milnor manifolds bound? 31, 2000, 1503-1514
- Khattar, D.** See Chakraborty, B. B. & Khattar, D.
- Khedr, F. H., Al-Areefi, S. M. & Noiri, T.** Precontinuity and semi-precontinuity in bitopological spaces 23, 1992, 625-634
- Khosla, H. K. & Chabra, R. K.** Nonlinear internal resonance in capillary-gravity waves 24, 1993, 711-720; Nonlinear waves on the surface of an inviscid liquid jet 24, 1993, 193-198
- Khurana, S.** See Suneja, S. K., Lalitha, C. S. & Khurana, S.
- Kilbas, A. A.** See Bonilla, B., Kilbas, A. A., Rivero, M., Rodriguez, L. & Trujillo, J. J.
- Kilicman, A.** On the commutative neutrix product of distributions 30, 1999, 753-762
- Kilicman, A., Fisher, B. & Nicholas, J. D.** The commutative neutrix product of  $B^r(x, n)$  and  $\delta^{(s)}$  29, 1998, 397-404
- Kim, D. S.** See Kuk, H., Lee, G. M. & Kim, D. S.
- Kim, D. S.** See Lee, B. S., Lee, G. M. & Kim, D. S.
- Kim, D. S.** See Lee, G. M., Kim, D. S. & Lee, B. S.
- Kim, D. S.** See Lee, G. M., Lee, B. S., Kim, D. S. & Chen, G. Y.
- Kim, D. S., Lai, C. & Lee, G. M.** Duality relations for generalized fractional programming involving  $n$ -set functions 27, 1996, 1167-1174
- Kim, G.** See Hahn, S., Kim, G. & Kim, Y. S.
- Kim, H.** See Park, S. & Kim, H.
- Kim, H. M.** See Park, J. Y., Lee, S. Y. & Kim, H. M.
- Kim, H. S.** See Jun, Y. B., Kim, J. Y. & Kim, H. S.
- Kim, I. H.** See Cho, N. E., Kim, I. H., Nunokawa, M. & Owa, S.
- Kim, J. K.** See Chang, S. S., Cho, Y. J. & Kim, J. K.
- Kim, J. K.** See Ume, J. S. & Kim, J. K.
- Kim, J. Y.** See Jun, Y. B., Kim, J. Y. & Kim, H. S.
- Kim, M. S. & Kim, T.** An explicit formula on the generalized Bernoulli number with order  $n$  31, 2000, 1455-1462

- Kim, S. G.** An inequality concerning polynomial norms and their coefficients 29, 1998, 277-284
- Kim, S. G.** *See* Choi, Y.S. & Kim, S. G.
- Kim, T.** *See* Kim, M. S. & Kim, T.
- Kim, Y. S.** *See* Hahn, S., Kim, G. & Kim, Y. S.
- Kishore, S. P. M.** *See* Choudum, S. A. & Kishore, S. P. M.; *also see* Sethuraman, G. & Kishore, S. P. M.
- Kittler, J.** *See* Pudil, P., Novovicova, J., Choakjarernwanit, N. & Kittler, J.
- Klavzar, S.** *See* Kaschiek, R. & Klavzar, S.
- Knopfmacher, J.** Normality of product expansions of power series over finite fields 22, 1991, 627-632
- Kocinac, L.** *See* Cammaroto, F., Kocinac, L. & Santoro, G.
- Kocsor, A.** *See* Balint, I., Kocsor, A., Cserpan, I. & Fodor, K.
- Koda, T.** Critical almost Hermitian structures 26, 1995, 679-690
- Kolik, E.** F-seminormed sequence spaces defined by a sequence of modulus functions and strong summability 28, 1997, 1547-1566
- Komal, B. S. & Pathania, R. S.** On eigenvalues of composition operators on  $l^2$  22, 1991, 213-220
- Kong, Q.** *See* Bainov, D., Kong, Q. & Minchev, E.
- Kostadinov, S. I.** *See* Bainov, D. D., Kostadinov, S. I. & Zabreiko, P. P.; *also see* Bainov, D. D., Kostadinov, S. I. & Zabreiko, P. P.
- Koti, K. M.** Some inequalities in hypergeometric functions using statistical techniques 22, 1991, 389-396
- Kotsios, St.** *See* Bakopoulos, Y. & Kotsios, St.
- Koul, C. K.** *See* Kant, S. & Koul, C. K.
- Koul, C. L.** *See* Kant, S. & Koul, C. L.
- Kour, K.** *See* Singh, B. & Kour, K.
- Kourogenis, N. C. & Papageorgiou, N. S.** Second order differential inclusions with a maximal monotone term and a nonconvex, unbounded multifunction 31, 2000, 1463-1474
- Kovacevic, I.** On almost closed mappings, paracompactness and partial equivalence relations 25, 1994, 949-954; Some properties of MN subsets and almost closed mappings 27, 1996, 875-882
- Krall, A. M.**  $H_1$  Bassel expansions 26, 1995, 51-62;  $H_1$  convergence of Fourier integrals 26, 1995, 41-50; Singular left-definite boundary value problems 29, 1998, 29-36
- Kravvaritis, D. & Papageorgiou, N. S.** Optimal programs for a continuous time infinite horizon growth model 24, 1993, 77-86
- Kripalini, K. S.** Corrigendum On special types of semigroup compactifications 27, 1996, 943-944; On special types of semigroup compactifications 26, 1995, 259-270; On the lattices of semigroup compactifications - II 24, 1993, 509-512
- Krishna Rao, J., Annapurna, M. & Trivedi, M. M.** Static charged isothermal gaseous spheres in general relativity 29, 1998, 1143-1150

- Krishna, D. V. *See* Reddy, Y. P., Prasada Rao, D. R. V. & Krishna, D. V. number of a graph 23, 1992, 575-578
- Krori, K. D. & Bhowmik, B. B. Inflationary Kaluza - Klein cosmology with variable  $G$  and  $\Lambda$  diminishing anisotropy 29, 1998, 1067-1072
- Kuk, H., Lee, G. M. & Kim, D. S. Nonsmooth multiobjective programs with  $V$ - $\rho$ -invexity 29, 1998, 405-412
- Kulkarni, M. V. Galois module structure of Abelian quartic extensions over their quadratic subfields 28, 1997, 1107-1124
- Kulkarni, S. H. & Nair, M. T. A characterization of closed range operators 31, 2000, 353-362
- Kulkarni, S. H. & Sivakumar, K. C. Explicit solvability of a class of infinite linear economic models 26, 1995, 217-224
- Kulkarni, S. R. & Naik, U. H. A new class of univalent functions with negative coefficients with two fixed points 27, 1996, 681-688
- Kulkarni, S. R. & Nair, U. H. Convolution properties of some subclasses of  $p$ -valent meromorphic functions 25, 1994, 1295-1302
- Kulli, V. R. & Janakiram. The common minimal dominating graph 27, 1996, 193-196
- Kulli, V. R. & Janakiram, B. The nonsplit domination number of a graph 31, 2000, 441-448; The total global domination number of a graph 27, 1996, 537-542
- Kulli, V. R. & Sigarkanti, S. C. Further results on the neighbourhood number of a graph 23, 1992, 575-578
- Kulli, V. R. & Soner, N. D. Complementary edge domination in graphs 28, 1997, 917-920
- Kumar, A. *See* Panda, J. & Kumar, A.
- Kumar, A. *See* Sharma, B. B., Gulena, O. C. & Kumar, A.
- Kumar, A. & Mukherjee, R. N. On some generalized multi-valued variational inequalities 31, 2000, 667-674
- Kumar, C. V. R. S. V. *See* Srinivasa Rao, K., Kumar, C. V. R. S. V. & Srinivasa Rao, K. S.
- Kumar, H. *See* Chandel, R. C. S., Agrawal, R. D. & Kumar, H.
- Kumar, H. *See* Sharma, P. R. & Kumar, H.
- Kumar, J. S. The corona of an old cycle on a star is sequential and harmonious 28, 1997, 1005-1008
- Kumar, L. *See* Pal, P. C. & Kumar, L.
- Kumar, M. & Padmshri. Thermal stresses in a thick elastic slab containing an annular crack 25, 1994, 1001-1016
- Kumar, N. *See* Bhatia, D., Kumar, N. & Bhudraja, R. K.
- Kumar, N. *See* Prakash, K. & Kumar, N.
- Kumar, N. & Srivastava, G. S. Growth estimates of analytic functions defined by Dirichlet series 22, 1991, 645-656
- Kumar, P. Rayleigh-Taylor instability of Rivlin-Ericksen elastico-viscous fluids in presence of suspended particles through porous medium 31, 2000, 533-540



- Kumar, P. *See* Bhatia, D. & Kumar, P.
- Kumar, P. Thermal convection in Walters B' viscoelastic fluid permeated with suspended particles in porous medium 30, 1999, 1117-1124; *also see* Sharma, R. C. & Kumar, P.
- Kumar, P. R. *See* Rajan, A. R. & Kumar, P. R.
- Kumar, R. *See* Sharma J. N., Singh, D. & Kumar, R.; *also see* Singh, R. K., Lal, N. & Kumar, R.
- Kumar, R. & Deshwal, S. Wave propagation in micropolar liquid-saturated porous solid 31, 2000, 1317-1338
- Kumar, R. & Singh, B. Reflection and transmission of elastic waves at a loosely bonded interface between an elastic and micropolar elastic solid 28, 1997, 1133-1154; Reflection of plane waves at a planar viscoelastic micropolar interface 31, 2000, 287-304; Reflection of plane waves from the flat boundary of a micropolar generalized thermoelastic half-space with stretch 29, 1998, 657-670
- Kumar, R. & Sinha, A. K. On two species competitive systems with one predator 25, 1994, 1185-1194
- Kumar, R. & Tomar, S. K. Propagation of micropolar waves at boundary surface 27, 1996, 821-836
- Kumar, S. & Sangal, A. L. Quadratures for Cauchy principal value integrals using cubic spline interpolations 31, 2000, 1313-1316
- Kumar, S. & Shenoy, B. G. A note on Ilyeff-Sendov conjecture for polynomials of arbitrary degree with multiple zeros 25, 1994, 489-494
- Kumar, Y. *See* Gupta, A. P., Kumar, Y. & Sharma, N.
- Kumari, G. & Singh, S. J. Displacement and stress produced by a pressurized cylindrical magma chamber surrounded by a viscoelastic shell and an elastic medium 26, 1995, 291-300
- Kumari, M. & Nath, G. Development of two-dimensional boundary layer with an applied magnetic field due to an impulsive motion 30, 1999, 695-708
- Kumari, M., Takhar, H. S. & Nath, G. Flow and heat transfer of a viscoelastic fluid over a flat plate with a magnetic field and pressure gradient 28, 1997, 109-122
- Kumpulainen, M. *See* Dhage, B. C., Heikkila, S. & Kumpulainen, M.
- Kuncham, S. P. *See* Bhavanari, S. & Kuncham, S. P.
- Kundu, S. K. & Bhaumik, K. N. On some results in connection with topological group-valued functions 22, 1991, 379-388
- Kurilic, M. S. Disconnected of the reduced ideal-product 23, 1992, 619-624; *also see* Grulovic, M. Z. & Kurilic, M. S.
- Kuyucu, F. *See* Unlu, Y. & Kuyucu, F.
- Kwak, D. Y. & Choi, U. J. A generalization of multiplier theorem to the ball 22, 1991, 547-552
- Kwun, Y. C. *See* Park, J. Y., Han, H. K. & Kwun, Y. C.

- Kwun, Y. C.** See Park, J. Y., Jeong, J. M. & Kwun, Y. C.
- Kwun, Y. C., Park, D. G. & Kang, W. K.** Approximate controllability for semilinear delay integro-differential equations with nonlocal initial value 31, 2000, 1607-1618
- Lahiri, A.** See Das, N. C. & Lahiri, A.
- Lahiri, A.** See Das, N. C., Lahiri, A. & Dutta, S.
- Lahiri, A.** See Das, N. C., Lahiri, A. & Giri, R. C.
- Lahiri, B. K.** Cesari integral includes Henstock integral 24, 1993, 603-606
- Lahiri, B. K. & Das, P.** Measures in bitopological spaces 27, 1996, 985-994; Measures in Bitopological Spaces-II 29, 1998, 473-486
- Lahiri, I.** Deficiencies of differential polynomials 30, 1999, 435-448; Points of bounded variation 28, 1997, 501-508
- Lahiri, I. & Bhattacharjee, N. R.** Proximate deficiency of homogeneous differential polynomials 27, 1996, 595-608
- Lahiri, I. & Sharma, D. K.** Growth of composite entire and meromorphic functions 26, 1995, 451-458; The characteristic function and exceptional value of the differential polynomial of a meromorphic function 24, 1993, 779-790
- Lahiri, M. & Satyanarayana, B.** Extended linear and bilinear generating relations for a class of generalized hypergeometric functions 24, 1993, 705-710
- Lai, C.** See Kim, D. S., Lai, C. & Lee, G. M.
- Lakshmi, V. U.** See Deekshatulu, B. L., Subhadra, P., Sasikala, K. R., Padmapriya, K. V. N., Lakshmi, V. U., Karunakar, T., Narasimha Rao, P. V., Vidyadhar, M. S. R. R., Kamaraju, M. V. V.
- Lal, A. K.** See Mohan, C., Lal, A. K. & Singh, V. P.
- Lal, G.** See Chaurasia, V. B. L. & Lal, G.
- Lal, M.** Iterative solution of nonlinear boundary-value problems 22, 1991, 231-242
- Lal, N.** See Singh, R. K., Lal, N. & Kumar, R.
- Lal, N. & Chandra, H.** Singular inner functions and associated measures 26, 1995, 149-156
- Lal, P.** See Banerjee, M. B., Shandil, R. G., Prakash, J., Bandral, B. S., Lal, P. & Kanwar, V.
- Lal, R.** See Gupta, U. S., Lal, R. & Jain, S. K.
- Lal, R.** See Gupta, U. S., Lal, R. & Sagar, R.
- Lal, R., Gupta, U. S. & Rastogi, S.** Chebyshev polynomials in the study of vibrations of non-uniform rectangular plates 27, 1996, 1017-1028
- Lalitha, C. S.** See Kaul, R. N. & Lalitha, C. S.
- Lalitha, C. S.** See Kaul, R. N., Suneja, S. K. & Lalitha, C. S.
- Lalitha, C. S.** See Suneja, S. K., Lalitha, C. S. & Khurana, S.

- Lalli, B. S., Yu, Y. H. & Cui, B. T.** Forced oscillations of hyperbolic differential equations with deviating arguments 25, 1994, 387-398
- Lashin, A. Y.** *See* Aouf, M. K., Hossen, H. M. & Lashin, A. Y.
- Lata, S., Rana, O. H. & Gupta, M. R.** Application of the macroscopic theory of magnetoelastic superconductors to a symmetric expansion of a spherical shell 24, 1993, 199-208; On inhomogeneous deformations of a nonlinear elastic dielectric material 25, 1994, 881-890
- Latha, L. P.** *See* Sampathkumar, E. & Latha, L. P.
- Lee, B. S.** *See* Lee, G. M., Kim, D. S. & Lee, B. S.; *also see* Lee, G. M., Lee, B. S., Kim, D. S. & Chen, G. Y.
- Lee, B. S. & Lee, S. J.** A vector extension to Behera and Panda's generalization of Minty's lemma 31, 2000, 1483-1490
- Lee, B. S., Lee, G. M. & Kim, D. S.** Generalized vector variational-like inequalities on locally convex Hausdorff topological vector spaces 28, 1997, 33-42
- Lee, G. M.** *See* Kim, D. S., Lai, C. & Lee, G. M.
- Lee, G. M.** *See* Kuk, H., Lee, G. M. & Kim, D. S.
- Lee, G. M.** *See* Lee, B. S., Lee, G. M. & Kim, D. S.
- Lee, G. M., Kim, D. S. & Lee, B. S.** On noncooperative vector equilibrium 27, 1996, 735-740
- Lee, G. M., Lee, B. S., Kim, D. S. & Chen, G. Y.** On vector variational inequalities for multifunctions 28, 1997, 633-640
- Lee, M. J.** *See* Park, J. Y. & Lee, M. J
- Lee, S. J.** *See* Lee, B. S. & Lee, S. J
- Lee, S. Y.** *See* Park, J. Y., Lee, S. Y. & Kim, H. M.
- Lee, Y. H.** *See* Kang, T. H. & Lee, Y. H
- Lepovic, M.** Some results on normal digraphs 28, 1997, 329-334
- Li, H. & Dhaliwal, R. S.** Thermal shock problem in thermoelasticity without energy dissipation 27, 1996, 85-102
- Li, J. & Jiang, S.** On sequence-covering strong  $S$ -mappings 31, 2000, 1297-1302
- Li, S. & Xu, D.** Stable set of nonlinear neutral delay differential equations 31, 2000, 1257-1272
- Li, W.** Oscillation of first order neutral nonlinear differential equations with variable coefficients 29, 1998, 605-616
- Li, W. & Yan, J.** Oscillation criteria for second order superlinear differential equations 28, 1997, 735-740
- Li, W. N. & Cui, B. T.** Oscillation for systems of neutral delay hyperbolic differential equations 31, 2000, 933-948
- Li, W. T., Fan, X. L. & Zhong, C. K.** Positive solutions of odd-order neutral nonlinear difference equations 31, 2000, 1643-1658
- Li, W. T., Zhang, M. Y. & Fe, X. L.** Oscillation criteria for second order

- nonlinear differential equations with damped term 30, 1999, 1017-1030
- Liao, L. W. & Yang, C. C. On the cardinality of the unique range sets for meromorphic and entire functions 31, 2000, 431-440
- Lin, X. *See* Luo, Z., Lin, X. & Shen, J.
- Lishan, L. Iterative method for solutions and coupled quasi-solutions of nonlinear Fredholm integral equations in ordered Banach spaces 27, 1996, 959-972
- Liu, L. Fixed points of local strictly pseudo-contractive mappings using Mann and Ishikawa iteration with errors 26, 1995, 649-660; Random approximations and random fixed point theorems in infinite dimensional Banach spaces 28, 1997, 139-150
- Lohar, G. & Dutta Majumder, D. On a differential geometric formulation of an optimal tracking problem 30, 1999, 259-270
- Lokeswara Rao, M. B. V. *See* Satyanarayana, Bh., Lokeswara Rao, M. B. V. & Prasad, K. S.
- Lokhande, A. D. *See* Pawar, Y. S. & Lokhande, A. D.
- London, R. R. & Nasir, M. A. M. A radius problem for functions whose derivative takes values in a half plane 28, 1997, 225-236
- Lopez-Bonilla, J. L. *See* Arreaga, G., Lopez-Bonilla, J. L. & Ovando, G.
- Lopez-Bonilla, J. L., Niquez-Yipez, H. N. & Ovando, G. Spacetimes of class two 30, 1999, 1211-1222
- Lopez-Bonilla, J. L., Ovando, G. & Rivera-Rebolledo, J. M. Generators for 4 potential and the Faraday's tensor of Lienard-Wiechert field 28, 1997, 1355-1360
- Luca, F. On the equation  $\phi(|x^m + y^m|) = |x^n| + |y^n|$  30, 1999, 183-198
- Luo, Z. H. *See* Guo, B. Z. & Luo, Z. H.
- Luo, Z., Lin, X. & Shen, J. Oscillation of impulsive neutral differential equations with positive and negative coefficients 31, 2000, 753-766
- Lyall, V. *See* Kaul, R. N. & Lyall, V.
- Madalli, V. S. *See* Bujurke, N. M., Madalli, V. S. & Mulimani, B. G.
- Madan, D. K. & Garg, N. R. Static deformation of an orthotropic horizontal elastic layer coupling in different ways to a base due to a very long inclined strike-slip fault embedded in the layer 28, 1997, 697-712
- Maddox, I. J. Almost convergence and a theorem of Lorentz 25, 1994, 755-758
- Maharaj, H. *See* Henning, M. A. & Maharaj, H.
- Maher, P. J. Putnam-Fuglede type inequalities for the Von Neumann-Schatten, and unitarily invariant, norms 27, 1996, 639-644
- Mahoux, G. *See* Mehta, M. L. & Mahoux, G.
- Maji, N. K. *See* Sanyal, D. C. & Maji, N. K.
- Majumdar, S. R. *See* Wang, J., Dhaliwal, R. S. & Majumdar, S. R.

- Majumder, P. P.** Some statistical models, methods and applications in genetics 26, 1995, 503-520
- Maki, H.** *See* Balachandran, K., Sundaram, P. & Maki, H.; *also see* Devi, R., Balachandran, K. & Maki, H.
- Malgonde, S. P.** On the generalized Hankel type integral transformation of generalized functions 31, 2000, 197-206; Real inversion formula for the generalized Hankel-Clifford transformation 29, 1998, 641-656; Some Abelian theorems for the distributional Kontorovich- Lebedev transformation 25, 1994, 861-868
- Malhotra, N. & Arora, S. R.** Nonlinear integer goal programming 30, 1999, 30-50; Optimality conditions for linear fractional bilevel programs 30, 1999, 373-384
- Manchanda, P. & Singh, S.** Locally bounded topologies on  $F(X)$  22, 1991, 313-322
- Manchanda, S.** *See* Prakash, K. and Manchanda, S.
- Mandal, B. N.** *See* Banerjee, S. & Mandal, B. N.; *also see* Basu, U. & Mandal, B. N.; *also see* Kanoria, M., Chakrabarti, A. & Mandal, B. N.
- Mandal, N.** On a class of dual integral equations involving generalized associated Legendre
- Mandal, S.** *See* Ahmad, A. & Mandal, S.
- Mane, D. N.** *See* Pawar, Y. S. & Mane, D. N.
- Manivachakan, K.** Crack at the interface of an elastic half plane and a rigid foundation 24, 1993, 633-646
- Manojlovic, J.** Nonoscillation theorems for Emden-Flower system of differential equations 30, 1999, 687-694
- Manuel, M. M. S.** *See* Thandapani, E. & Manuel, M. M. S.
- Maralabhavi, Y. B. & Dwarakanath, S.** Symmetric holomorphically subjective Kahlerian manifold 31, 2000, 1249-1256
- Maralabhavi, Y. B. & Rathnamma, M.** Generalized recurrent and concircular recurrent manifolds 30, 1999, 1167-1172
- Marco, S. C. & Gonzalez, L. V.** Supersolutions and subsolutions techniques in a minimax optimal control problem with infinite horizon 29, 1998, 1083-1098
- Marin, J. & Romaguera, S.** A bitopological view of quasi-topological groups 27, 1996, 393-406
- Marti, A.** *See* Banas, J., Marti, A. & Sadarangani, K.
- Martinez-Morales, J. L.** Variational data fitting 30, 1999, 1125-1156
- Mashayekhy, B.** A remark on generalized covering groups 29, 1998, 711-714
- Masque, J. M.** *See* Gadea, P. M & Masque, J. M
- Masum, A.** *See* Chowdhury, K. C., Masum, A. & Saikia, H. K.
- Masum, Ad. A., Saikia, H. K., Chowdhury, K. C.** On left Goldie near-rings and its parts having minimum conditions 25, 1994, 1155-1162
- Mathai, A. M.** Lauricella functions of real symmetric positive definite matrices

- 24, 1993, 513-532; Special functions of matrix arguments and statistical distributions 22, 1991, 887-904
- Mathai, A. M. & Pederzoli, G.** Some transformations for functions of matrix arguments 27, 1996, 277-284
- Mathew, G.** On Helmholtz fields 22, 1991, 855-858
- Mathew, V.** A note on hypercyclic operators on the space of entire sequences 25, 1994, 1181-1184
- Mathur, M. N.** See Sahu, A. K. & Mathur, M. N.
- Mathur, P.** See Sharma, P. R. & Mathur, P.
- Matic-Kekic, S.** See Acketa, D. M. & Matic-Kekic, S.
- Matic-Kekic, S. & Acketa, D. M.** Non-greedy optimal digital convex polygons 28, 1997, 455-470
- Maulik, T. N.** See Singh, P. C., Das, S., Patra, B. & Maulik, T. N.
- Mazumdar, H. P., Ganguly (Habishyasi), U. N. & Venkatesan, S. K.** Some effects of a magnetic field on the flow of a Newtonian fluid through a circular tube 27, 1996, 519
- Mazumdar, H. P., Ganguly, U. N. (Habishyasi), Ghorai, S. & Dalal, D. C.** On the distributions of axial velocity and pressure gradient in a pulsatile flow of blood through a constricted artery 27, 1996, 1137-1150
- Medium** 27, 1996, 1249-1256
- Meenakshi, A. R. & Anandam, N.** Polynomial generalized inverses of polynomial matrices 24, 1993, 51-60
- Meenakshi, A. R. & Indira, R.** On sums of conjugate EP matrices 23, 1992, 179-184
- Meenakshi, K. N.** See Parvathi, A. & Meenakshi, K. N.
- Mehra, A.** See Bhatia, D. & Mehra, A.
- Mehra, M. & Bhatnagar, K. B.** The regression period of a satellite moving under the gravitational forces of the sun, the moon, the earth and the solar radiation pressure 28, 1997, 1125-1132
- Mehra, V. K. & Bhatnagar, K. B.** Planar oscillation of a satellite in an elliptical orbit under the influence of solar radiation pressure and third body torque (I) 26, 1995, 725-742
- Mehta, M. L. & Mahoux, G.** A method of integration over matrix variables: III 22, 1991, 531-546
- Meng, F.** An oscillation theorem for the second order superlinear differential equations 27, 1996, 651-658
- Meng, J.** See Hong, S. M., Jun, Y. B. & Meng, J.
- Meng, J. & Jun, Y. B.** A 2-base of the variety of quasi-commutative BCI-Algebras 25, 1994, 693-698
- Meng, J., Jun, J. B. & Roh, E. H.** The role of  $B(X)$  and  $L(X)$  in the ideal theory of BCI-algebras 28, 1997, 741-752
- Meng, Q. & Yan, J.** Global attractivity of delay difference equations 30, 1999, 233-242
- Mielke, M. V.** Separation axioms and geometric realizations 25, 1994, 711-722

- Mikali, Et *See* Es1, A. & Mikali, Et
- Miljana, J. & Svetlana, J. On a class of nonlinear stochastic hereditary integrodifferential equations 28, 1997, 1061-1082
- Miller, K. S. & Ross, B. Fractional Green's functions 22, 1991, 763-768
- Milos, C. Theorem of areolar complex continued fraction absolute convergence 25, 1994, 1171-1180
- Minchev, E. *See* Bainov, D., Kong, Q. & Minchev, E.
- Mirmostafaei, A. K. & Niknam, A. A Remark on uniquely remotal sets 29, 1998, 849-854
- Mishra, R. *See* Nayak, C., Mohanty, I. P. & Mishra, R.
- Mishra, R. K. *See* Pande, H. D., Chandra, R. & Mishra, R. K.
- Mishra, S. K. Matrix maps involving certain sequence spaces 24, 1993, 125-132; Pseudolinear fractional minmax programming 26, 1995, 763-772
- Mishra, S. K. *See* Choudhary, B. & Mishra, S. K.
- Mishra, S. K. *See* Mukherjee, R. N. & Mishra, S. K.
- Mishra, S. K. & Sanyal, A. Quaternions and conjugate system of tetrahedral 24, 1993, 97-106
- Mishra, S. N. *See* Chandra, M., Mishra, S. N., Singh, S. L. & Rhoades, B. E.
- Mishra, S. N. *See* Singh, S. L. & Mishra, S. N.
- Mishra, S. N., Singh, S. L. & Talwar, R. Nonlinear hybrid contractions on Menger and uniform spaces 25, 1994, 1039-1052
- Misra, O. P. *See* Saxena, V. P., Misra, O. P. & Sinha, P.
- Misra, O. P. & Saxena, V. P. Effects of environmental pollution on the growth and existence of biological populations modelling and stability analysis 22, 1991, 805-818
- Mitra, S. & Pal, S. K. A fusion of fuzzy sets and layered neural networks at the input, output and neuronal levels 25, 1994, 127-142
- Mitrinovic, D. S. & Pecaric, J. E. Remark on Pachpatte's generalization of an Hardy's inequality 23, 1992, 129-130
- Mittal, M. L. & Prasad, G. On a sequence of Fourier coefficients 23, 1992, 235-242
- Mittal, R. C. & Agarwal, R. On zeros of a complex polynomial 26, 1995, 363-372
- Mittal, R. C. & Singhal, P. Numerical solution of the periodic Burgers equation 27, 1996, 689-700
- Mocanu, P. T. *See* Anisiu, V., Mocanu, P. T. & Serb, I.
- Mohan, C. *See* Zboon, R. A., Yadav, S. P. & Mohan, C.
- Mohan, C., Lal, A. K. & Singh, V. P. Effects of differential rotation on the eigenfrequencies of small adiabatic barotropic modes of oscillations of the stars 29, 1998, 199-220
- Mohan, H. *See* Gupta, J. R. & Mohan, H., The Soret effect on the rotatory

- thermosolutal convection of the Veronis type 27, 1996, 609-620; Upper limits to the complex growth rate in veronis' and stern's thermohaline configurations 29, 1998, 289-298
- Mohan, N. L.** See Babu, L. A., Reddy, K. G. & Mohan, N. L.
- Mohan, R. N.** A new series of  $\mu$ -resolvable  $(d + 1)$  associate class GD PBIB designs 30, 1999, 89-98
- Mohanty, D.** See Tripathy, B. K. & Mohanty, D.
- Mohanty, I. P.** See Nayak, C., Mohanty, I. P. & Mishra, R.
- Mohanty, P. K.** See Parhi, N. & Mohanty, P. K.
- Mohanty, S. P.** See Sivagurunathan, S. & Mohanty, S. P.; also see Stener, R. & Mohanty, S. P.
- Moharir, P. S. & Gaur, V. K.** Stochasto-chaotic modelling of earthquake processes 26, 1995, 599-606
- Mollin, R. A.** Polynomial solutions for Pell's equation revisited 28, 1997, 429-438
- Monadi, A.** On the closedness of the space of holomorphic-like inequalities in reflexive banach spaces 29, 1998, 105-108
- Mondal, T. K. & Samanta, S. K.** Topology of interval-valued fuzzy sets 30, 1999, 23-29
- More, S. V.** See Panchal, S. K. & More, S. V.
- Mrsevic, M. & Reilly I. L.** Covering and connectedness properties of a topological space and its associated topology of  $n$ -subsets 27, 1996, 995; A note on local connectedness in bitopological spaces 29, 1998, 715-722
- Mucuk, O. & Ozdemir, M.** A monodromy principle for universal coverings of topological rings 31, 2000, 1531-1536
- Mukharjee, R. N. & Singh, V. K.** Best approximation in Orlicz type spaces with peak norm structure 30, 1999, 295-306
- Mukherjee, A.** On fuzzy almost completely semi-continuous functions 31, 2000, 541-550; On fuzzy completely semi continuous and weakly completely semi continuous functions 29, 1998, 191-198
- Mukherjee, A. & Sengupta, P. R.** Surface waves in thermo viscoelastic media of higher order 22, 1991, 159-168
- Mukherjee, G.** On some enumeration problems of immersions in critical dimensions 25, 1994, 607-614
- Mukherjee, M.** Orthogonal polynomials solutions for a flat elliptic indenter on a multilayered elastic half space 29, 1998, 991-1010
- Mukherjee, M. N.** See Bhattacharyya, A. & Mukherjee, M. N.; also see Nandi, J. N. & Mukherjee, M. N.; also see Sen, S. K. & Mukherjee, M. N.
- Mukherjee, M. N.** See Sen, S. K., Nandi, J. N. & Mukherjee, M. N.
- Mukherjee, M. N. & Basu, C. K.**  $\theta$ -Equivalent spaces - A new approach to  $R$ -equivalent spaces



- and semi-regular properties 22, 1991, 745-750
- Mukherjee, M. N. & Raychaudhuri, S. Some applications of  $\theta$ -closure operators 26, 1995, 433-440
- Mukherjee, R. N. On the global controllability of a minimum time control problem for a minimum cost control problem in Banach space 25, 1994, 463-472
- Mukherjee, R. N. See Kumar, A. & Mukherjee, R. N.
- Mukherjee, R. N. See Reddy, L. V. & Mukherjee, R. N.
- Mukherjee, R. N. & Mishra, S. K. Sufficient optimality criteria and duality for multiobjective variational problems with V-invexity 25, 1994, 801-814
- Mukherjee, R. N. & Rao, Ch. P. Multiobjective fractional programming under generalized invexity 27, 1996, 1175-1184; Optimality and duality for variational problems with generalized convexity 28, 1997, 1535-1546
- Mukherjee, S. Topological invariance of equivariant characteristic classes 28, 1997, 75-80
- Mukherjee, S. P. Statistics in the service of industry 26, 1995, 607-616
- Mukherjee, U. K. See Chapttopadhyay, K. C., Mukherjee, U.K. & Samanta, S. K.
- Mukundan, R. A numerical approximation of two dimensional image moments 22, 1991, 879-886
- Mulimani, B. G. See Bujurke, N. M., Madalli, V S & Mulimani, B. G.
- Murge, M. G. & Pachpatte, B. G. On a nonlinear stochastic evolution equation 23, 1992, 697-712; On averaging method for second order Ito type stochastic equations 23, 1992, 25-38; On generalized Ito type Stochastic functional integral equations in two independent variables 23, 1992, 663-674
- Mursaleen See Ahmad, Z. U., Mursaleen & Khan, Q. A.
- Mursaleen & Khan, Q. A. A-summability and Frechet spaces 25, 1994, 535-540
- Mursaleen, M. Infinite matrices of the type M(E) 23, 1992, 63-66
- Murthy, H. N. See Chandrasekharia, D S & Murthy, H. N
- Murthy, K. See Yugandhar, K. & Murthy, K.
- Murthy, P. N. See Rao, P. S., Srivathsa, B. & Murthy, P. N.
- Murthy, S. N. & Sapre, M. Effect of magnetic field on laminar boundary layer flow on a flat plate 22, 1991, 601-610
- Murty, C. V. L. N. See Reddy, Y. V. & Murty, C. V. L. N.
- Murty, M. N. See Babu, G. P. & Murty, M. N.
- Mushtaq, Q. & Iqbal, M. Partial ordering and congruences on LA-semigroup 22, 1991, 331-336
- Muthiyalu, N. & Usha, S. Torsion of hollow cylinders 22, 1991, 953-962

- Nag, S. Riemann surfaces and their Jacobians 24, 1993, 729-746
- Nagaraja Rao, I. H. & Vijaya Laxmi, B. Line-set domination number of a graph 30, 1999, 709-714
- Naidu, S. V. R. Coincidence point theorems for set-valued maps on a topological space 22, 1991, 833-838
- Naik, U. H. See Kulkarni, S. R. & Naik, U. H.
- Naik-Nimbalkar, U. V. & Rajarshi, M. B. Towards semi-parametric image-processing 25, 1994, 239-246
- Nair, B. R. & Vijayakumar, A. S-Antipodal graphs 28, 1997, 641-646
- Nair, M. T. See Kulkarni, S. H. & Nair, M. T.
- Nair, U. H. See Kulkarni, S. R. & Nair, U. H.
- Nallaswamy, R. See Sridharan, J., Nallaswamy, R. & Srinivasan, A.
- Nanda, S. See Behera, A. & Nanda, S.
- Nanda, S. Strongly nonlinear variational inequality problem and its alternative form and complementarity problem 22, 1991, 355-360
- Nandal, J. S. See Deshwal, P. S. & Nandal, J. S.
- Nandi, J. N. See Sen, S. K., Nandi, J. N. & Mukherjee, M. N.
- Nandi, J. N. & Mukherjee, M. N. Bitopological  $\delta$ -cluster sets and some applications 29, 1998, 837-848
- Narain, P. Statistics and its applications to agriculture and genetics 26, 1995, 521-530
- Narasimha Rao, P. V. See Deekshatulu, B. L., Subhadra, P., Sasikala, K. R., Padmapriya, K. V. N., Lakshmi, V. U., Karunakar, T., Narasimha Rao, P. V., Vidyadhar, M. S. R. R., Kamaraju, M. V. V.
- Nasir, M. A. M. See London, R. R. & Nasir, M. A. M.
- Natarajan, K. See Paul, H. S. & Natarajan, K.
- Natarajan, P. N. On a generalised product of certain sequences 26, 1995, 993-1002
- Nath, G. See Kumari, M. & Nath, G.; also see Kumari, M., Takhar, H. S. & Nath, G.; also see Takhar, H. S., Surma Devi, C. D. & Nath, G.
- Nath, S. & Sengupta, P. R. Steady-state response to moving loads in an elastic solid media 30, 1999, 317-328
- Navarro, E. See Jodar, L. & Navarro, E.
- Nayagam, V. L. G. See Ramakrishnan, P. V. & Nayagam, V. L. G.
- Nayak, C., Mohanty, I. P. & Mishra, R. Stochastic integral of  $L\phi$  function and approximation to RFS series 31, 2000, 1491-1502
- Nayak, L. See Behera, A. & Nayak, L.
- Negi, O. P. S. See Bisht, P. S., Negi, O. P. S. & Rajput, B. S.
- Ne. Results on fixed points of asymptotically regular mappings 30, 1999, 491-494

- Nicholas, J. D. *See* Killicman, A., Fisher, B. & Nicholas, J. D.
- Nicholas, J. D. & Fisher, B. On the commutative neutrix product of  $x_+^{r-1/2}$  and  $x_+^{-r-1/2}$  29, 1998, 1235-1244
- Nigam, S. D. *See* Raja Sekhar, G. P., Nigam, S. D. & Amaranath, T.
- Nigam, S. D. & Amaranath, T. On compatible systems of first-order equations 29, 1998, 835-836
- Niknam, A. *See* Ghazanfari, A. & Niknam, A.; *also see* Hejazian, S. & Niknam, A.; *also see* Mirmostafaei, A. K. & Niknam, A.
- Nikam, A. & Talebi S. Jordan  $C^*$ -dynamical systems 29, 1998, 589-598
- Nimbhorkar, S. K. *See* Thakare, N. K. & Nimbhorkar, S. K.
- Nimbhorkar, S. K. & Wasadikar, M. P. Note on normal semilattices 26, 1995, 883-888
- Noiri, T. A note on  $\theta$ -irresolute functions in the sense of Park 31, 2000, 449-450
- Noiri, T. A note on  $\alpha$ -regular spaces 30, 1999, 889-892; *also see* Ahmed, B., Khan, M. & Noiri, T.; *also see* Jafari, S. & Noiri, T.; *also see* Khan, M., Ahmad, B. & Noiri, T.; *also see* Khan, M., Noiri, T. & Ahmad, B.; *also see* Khedr, F. H., Al-Areefi, S. M. & Noiri, T.
- Nour, T. M. A note on five separation axioms in bitopological spaces 26, 1995, 669-674; Totally semi-continuous functions 26, 1995, 675-678
- Novovicova, J. *See* Pudil, P., Novovicova, J., Choakjarernwanit, N. & Kittler, I.
- Nunokawa, M., Owa, S. & Saitoh, H. Notes on multivalent functions 26, 1995, 797-806
- Nunokawa, M. *See* Cho, N. E., Kim, I. H., Nunokawa, M. & Owa, S.
- Nuray, F. & Gulcu, A. Some new sequence spaces defined by Orlicz functions 26, 1995, 1169-1176
- Nuray, F. & Savas, E. Invariant statistical convergence and  $A$ -invariant statistical convergence 25, 1994, 267-274; Some new sequence spaces defined by a modulus function 24, 1993, 657-664
- Nurcombe, J. R. Inclusion theorems for generalised Norlund summability methods 25, 1994, 1081-1088
- Nurcombe, J. R. Inclusion theorems for strong and absolute Norlund summability 26, 1995, 985-992
- Nzqez-Yipez, H. N. *See* Lspez-Bonilla, J. L., Nzqez-Yipez, H. N. & Ovando, G.
- O'Neil, J. D. Slender modules over various rings 22, 1991, 287-294
- Obied Allah, M. H. & Ibraheem, M. A. Thermal effects on linear and nonlinear Rayleigh-Taylor stability in the presence of mass, heat transfer and magnetic field 31, 2000, 1545-1558
- Obradovic, M., Joshi, S. B. & Jovanovic, I. On certain sufficient conditions for starlikeness and convexity 29, 1998, 271-276
- Oczag, E. & Kansu, H. A result on neutrix

- convolution of distributions 28, 1997, 1399-1412
- of retarded and advanced type 25, 1994, 429-442
- Ojha, R. H. *See* Prasad, S. & Ojha, R. H.
- Okoya, S. S. On the qualitative theory of a reaction-diffusion system on bounded domains 28, 1997, 257-266
- Orhan, C. A short note on weighted mean summability 26, 1995, 63-68; Conull absolute summability domains 24, 1993, 539-542
- Osilike, M. O. A stable iteration procedure for quasi-contractive maps 27, 1996, 25-34; Convergence of the Ishikawa-type iteration procedure for multi-valued operators of the accretive type 31, 2000, 117-128; Iterative approximation of fixed points of asymptotically demicontractive mappings 29, 1998, 1291-1300; Stability of the Ishikawa iteration method for quasi-contractive maps 28, 1997, 1251-1266; Stability results for the Ishikawa fixed point iteration procedure 26, 1995, 937-946; Stable iteration procedures for nonlinear pseudocontractive and accretive operators in arbitrary Banach spaces 28, 1997, 1017-1030
- Osilike, M. O. & Udomene, A. Short proofs of stability results for fixed point iteration procedures for a class of contractive-type mappings 30, 1999, 1229-1234
- Ostrowska, S. A scale of degrees of independence of random variables 29, 1998, 461-472
- Oudadess M. *See* Akkar, M., Beddaa, A. & Oudadess M.
- Ovando, G. *See* Arreaga, G., Lopez-Bonilla, J. L. & Ovando, G.
- Ovando, G. *See* López-Bonilla, J. L., Nzqez-Yipez, H. N. & Ovando, G.
- Ovandoz, G. *See* Lopez-Bonilla, J. L., Ovandoz, G. & Rivera-Rebolled, J. M.
- Owa, S. *See* Cho, N. E., Kim, I. H., Nunokawa, M. & Owa, S.; *also see* Nunokawa, M, Owa, S. & Saitoh, H.
- Owa, S. & Shen, C. Y. An application of certain fractional operator 29, 1998, 221-226
- Özcag, E. The non-commutative neutrix product of the distributions  $F(x_+, -r)$  in  $x_+$  and  $\sigma^{(s)}(x)$  30, 1999, 175-182
- Özdemir, M. *See* Mucuk, O. & Ozdemir, M.
- Ozdemir, N. *See* Enginer, Y., Hortascu, M., Kaya, R., Ozdemir, N., Ulker, K. & Yapiskan, B.
- Ozturk, E. & Bilgin, T. Strongly summable sequence spaces defined by a modulus 25, 1994, 621-626
- Ozturk, I. On the nonlocal boundary value problem for one order loaded differential equation 26, 1995, 309-314
- Öztürk, I. & Shkhanekov, M. H. Difference method for the differential equation with fractional derivative 30, 1999, 517-524
- Pachpatte, B. G. A note on certain inequalities related to Hardy's inequality 23, 1992, 773-776; A note on equalities related to Opial's

- inequality 25, 1994, 1031-1038; Applications of the Leray-Schauder alternative to some Volterra integral and; On an inequality of Opial type in two variables 23, 1992, 657-662; On certain new finite difference inequalities 24, 1993, 373-384; On Gronwall like integral inequalities 23, 1992, 131-140; *also see* Dhakne, M. B. & Pachpatte, B. G.
- Pachpatte, B. G.** *See* Murge, M. G. & Pachpatte, B. G.
- Padmanabham, P. A.** Some hypergeometric transformations 29, 1998, 1137-1142; Two results on three-variable hypergeometric function 30, 1999, 1107-1110
- Padmanabhan, K. S.** On certain subclasses of meromorphic functions in the unit disk 30, 1999, 653-666
- Padmapriya, K. V. N.** *See* Deekshatulu, B. L., Subhadra, P., Sasikala, K. R., Padmapriya, K. V. N., Lakshmi, V. U., Karunakar, T., Narasimha Rao, P. V., Vidyadhar, M. S. R. R., Kamaraju, M. V. V.
- Padmavathmma** *See* Prasad, A. V. M. & Padmavathmma
- Padmini, M.** *See* Subbiah, M. & Padmini, M.
- Padmini, M. & Subbiah, M.** Note on the nonlinear stability of deep quasi-geostrophic flows 23, 1992, 387-398; On the linear stability of inviscid incompressible swirling flows 27, 1996, 301-312; Stability of non-parallel stratified shear flows 26, 1995, 471-484
- Padmshri** *See* Kumar, M. & Padmshri
- Pai, N. P.** *See* Bujurke, N. M., Pai, N. P. & Achar, P. K.
- Pakkiam, C.** *See* Arumugam, S. & Pakkiam, C.
- Pakkiam, C. & Arumugam, S.** The graphoidal covering number of unicyclic graphs 23, 1992, 141-144
- Pal (Pathak), A. & Dutta Majumder, D. K.** Approaches to supervised learning for pattern recognition 25, 1994, 1-39
- Pal, P. C.** A note on the torsional body forces in a viscoelastic half-space 31, 2000, 207-214
- Pal, P. C. & Kumar, L.** The effect of inhomogeneity on the torsional impulsive motion over a circular region in transversely isotropic elastic half space 24, 1993, 133-144
- Pal, S. & Dutta Majumder, D.** A note on deblurring 25, 1994, 231-238
- Pal, S. K.** *See* Dixit, K. K. & Pal, S. K., *also see* Mitra, S. & Pal, S. K.
- Pal, S., Bhattacharyya, R., Bhattacharyya, S. & Ray, A.** A statistically distributed random binary image generator 25, 1994, 247-266
- Palese, L.** *See* Georgescu, A., Gavrilu, M. & Palese, L.
- Panayappan, S.** Non-hyponormal weighted composition operators 27, 1996, 979-984; *also see* Veluchamy, T. & Panayappan, S.
- Pancar, A.** *See* Alizade, R. & Pancar, A.
- Panchal, S. K. & More, S. V.** On distributional modified

- Marchi-Zgrablich finite integral transformation 25, 1994, 627-640
- Panda, G. K. *See* Behera, A. & Panda, G. K.
- Panda, G. K. & Dash, N. On a variational-type inequality and its complementarity problem in Hausdorff topological vector spaces 31, 2000, 153-160; Strongly nonlinear variational-like inequalities 31, 2000, 797-808
- Panda, S. N. *See* Sastry, K. P. R., Sukhla, I. L. & Panda, S. N.
- Pande, H. D., Chandra, R. & Mishra, R. K. Cosmological models with variable cosmological constant and gravitational constant 31, 2000, 161-176
- Pande, H. D., Tripathi, P. N. & Prasad, B. N. On a special form of the  $h\nu$ -curvature tensor of Berwald's connection BI of Finsler space 25, 1994, 1275-1280; On a special form of the  $h\nu$ -curvature tensor of Berwald's connection BI of Finsler space II 26, 1995, 851-858
- Pandey, K. & Saxena, M. Weak nonlinear waves in dissociating gas 22, 1991, 513-524
- Pandey, S. N. & Verma, S. On para-Sasakian manifold 30, 1999, 15-22
- Pandey, T. N. *See* Prasad, B. N., Pandey, T. N. & Dwivedi, P. K.
- Pandey, T. N. & Dwivedi, D. K. Normalized semi parallel ch-vector field in special Finsler spaces 30, 1999, 307-316
- Pandeya, B. M. A class of rings characterised by torsion uniform modules 24, 1993, 385-388
- Pandian, P. Optimality and duality in generalized pseudolinear multiobjective programming 31, 2000, 1151-1160
- Pandu, J. *See* Sidharth, B. G. & Pandu, J.
- Pant, R. P. A common fixed point theorem under a new condition 30, 1999, 147-152
- Papageorgiou, N. S. Evolution inclusions involving a difference term of subdifferentials and applications 28, 1997, 575-610; Existence of solutions for boundary value problems of semilinear evolution inclusions 23, 1992, 477-488; Fixed point theorems for multifunctions with stochastic domain 22, 1991, 715-724; Mild solutions of semilinear evolution inclusions and optimal control 26, 1995, 189-216; Optimization of discrete-time, stochastic systems 24, 1993, 1-14; *also see* Avgerinos, E. P. & Papageorgiou, N. S.; *also see* Halidias, N. & Papageorgiou, N. S.; *also see* Kourogenis, N. C. & Papageorgiou, N. S.; *also see* Kravvaritis, D. & Papageorgiou, N. S.; Time optimal control for infinite dimensional linear systems 24, 1993, 155-164
- Paras Ram & Verma, P. D. S. Ferrofluid lubrication in porous inclined slider bearing 30, 1999, 1273-1282
- Parashar, S. D. Matrix transformations of  $X_p$  and  $Z_p$  in to  $V_\sigma$  23, 1992, 39-48
- Parashar, S. D. & Choudhary, B. Matrix transformation of certain sequence

- spaces through matrix product 31, 2000, 1161-1166; Sequence spaces defined by Orlicz functions 25, 1994, 419-428
- Pardasani, K. R. & Adhlaka, N. Exact solution to a heat flow problem in peripheral tissue layers with a solid tumor in the dermis 22, 1991, 679-688; Two dimensional steady state temperature distribution in annular tissue layers of a human or animal body 24, 1993, 721-728
- Pardasani, K. R. & Jas, P. Numerical simulation of the effect of *Polycythemia vera* on heat flow in human dermal regions 31, 2000, 1595-1606
- Parhi, N. Oscillatory and non-oscillatory behaviour of solutions of an equation alternately
- Parhi, N. & Mohanty, P. K. Maintenance of oscillation of neutral differential equations under the effect of a forcing term 26, 1995, 909-920
- Parida, J. & Kumar, A. A note on the linear complementarity problem involving a subgradient 22, 1991, 1-4
- Park, C. Y. See Jeong, J. M., Park, C. Y. & Park, J. Y.
- Park, D. G. See Kwun, Y. C., Park, D. G. & Kang, W. K.
- Park, H. Y. & Jung, I. H. On a class of quasilinear hyperbolic equations and Yosida approximations 30, 1999, 1091-1106
- Park, J. K. See Park, J. H. & Park, J. K.
- Park, J. H. On  $s$ -normal spaces and some functions 30, 1999, 575-580
- Park, J. H. & Park, J. K. On semi generalized locally closed sets and SGLC-continuous functions 31, 2000, 1103-1112
- Park, J. H. & Park, Y. B. Weaker forms of irresolute functions 26, 1995, 691-696
- Park, J. K. See Hirano, Y. & Park, J. K.
- Park, J. Y. See Jeong, J. M., Park, C. Y. & Park, J. Y.
- Park, J. Y. & Han, H. K. Asymptotic behaviour of solutions to a functional integrodifferential equations 29, 1998, 917-928
- Park, J. Y. & Lee, M. J. Duality in the optimal control of distributed parameter systems governed by hyperbolic equations 31, 2000, 451-460
- Park, J. Y., Han, H. K. & Kwun, Y. C. Approximation controllability of second order integrodifferential systems 29, 1998, 941-950
- Park, J. Y., Jeong, J. M. & Kwun, Y. C. Regularity and controllability for semilinear control system 29, 1998, 239-252
- Park, J. Y., Lee, S. Y. & Kim, H. M. The existence of solutions for fuzzy differential equations with infinite delays 31, 2000, 137-152
- Park, S. & Kim, H. Generalizations of the KKM type theorems on generalized convex spaces 29, 1998, 121-132
- Park, S., Singh, S. P. & Watson, B. Remarks on best approximations and fixed points 25, 1994, 459-462
- Park, Y. B. See Park, J. H. & Park, Y. B.

- Parry, C. J. See Hymo, J. A. & Parry, C. J. recursive determination of topologies on finite sets 26, 1995, 143-148
- Parthasarathy, H. See Prasad, S., Chakraborty, M. & Parthasarathy, H.
- Parthasarathy, K. R. See Prakash, V. Parthasarathy, K. R. & Rangan, C. P.
- Parui, S. K. See Banerjee, D. K., Parui, S. K. & Dutta Majumder, D.
- Parvathi, A. & Meenakshi, K. N. Fuzzy topological Boolean algebra 28, 1997, 1639-1648
- Patel, J. K. A lower bound to the error term of a function related to the  $k$ th order free; Erratum to "order free integers' (mod  $m$ ) 25, 1994, 457-458; Order free integers (mod  $m$ ) 24, 1993, 503-508
- Pathak, H. K. & Khan, M. S. A comparison of various types of compatible maps and common fixed points 28, 1997, 477-486
- Pathak, P. See Khare, S. P. & Pathak, P.
- Pathak, R. S. & Pathak, S. Certain pseudo-differential operator associated with the Bessel operator 31, 2000, 309-318
- Pathak, S. See Gupta, S. K. & Pathak, S.
- Pathak, S. See Gupta, S. K., Sharma, S. & Pathak, S.
- Pathak, S. See Pathak, R. S. & Pathak, S.
- Pathania, R. S. See Komal, B. S. & Pathania, R. S.
- Patidar, R. P. See Purohit, G. N. & Patidar, R. P.
- Patil, G. H. & Chaudhary, M. S. A recursive determination of topologies on finite sets 26, 1995, 143-148
- Patil, H. P. & Rengarasu, U. On iterated line graphs with crossing number one 25, 1994, 1058-1066; On iterated middle and total graphs with vertex coarseness one 28, 1997, 1635-1638
- Patil, H. V. See Pawar, Y. S. & Patil, H. V.
- Patil, P. R. See Subramanian, L. & Patil, P. R.
- Patra, B. See De, J. & Patra, B.
- Patra, B. See Singh, P. C., Das, S., Patra, B. & Maulik, T. N.
- Patra, K. See Chetiya, B. P., Dutta, S. K. & Patra, K.
- Patra, K. See Dutta, S. K., Patra, K. & Chetiya, B. P.
- Paul, B. B. Cylindrically symmetric charged fluid distribution in rigid rotation in general relativity 31, 2000, 1045-1050; Cylindrically symmetric matter distribution with magnetic field 31, 2000, 305-308
- Paul, H. S. & Natarajan, K. Torsional vibrations of a finite piezoelectric bone 25, 1994, 891-902
- Paul, R. & Bhattacharyya, P. Properties of quasi-precontinuous functions 27, 1996, 475-486
- Paul, Y. Prime right alternative rings with commutators in the middle Nucleus 22, 1991, 375-378
- Pavlovic, M. See Jevtic, M. & Pavlovic, M.
- Pawar, Y. S. 0-1 Distributive lattices 24,



- 1993, 173-180; Characterization of normal lattices 24, 1993, 651-656; On the space of maximal ideals in a bounded distributive lattice 24, 1993, 647-650
- Pawar, Y. S. & Lokhande, A. D.** Normal semilattices 29, 1998, 1245-1250
- Pawar, Y. S. & Mane, D. N.**  $\alpha$ -ideals in  $O$ -distributive semilattices and  $O$ -distributive lattices 24, 1993, 435-444
- Pawar, Y. S. & Patil, H. V.** Extension filters in pseudocomplemented semilattices 22, 1991, 369-374
- $p$ -bounded variation 27, 1996, 285-294
- Pearce, C. E. M.** *See* Alic, M., Pearce, C. E. M. & Pecaric, J.
- Pecaric, J.** *See* Alic, M., Pearce, C. E. M. & Pecaric, J.
- Pecaric, J. E.** *See* Mitrinovic, D. S. & Pecaric, J. E.
- Pederzoli, G.** *See* Mathai, A. M. & Pederzoli, G.
- Pehlivan, S. & Fisher, B.** On some sequence spaces 25, 1994, 1067-1072
- Peiguang, W.** Oscillation for certain nonlinear delay hyperbolic equations 30, 1999, 557-566; Oscillation of certain neutral hyperbolic equations 31, 2000, 949-956
- Perez Garcia, C. & Schikhof, W. H.**  $p$ -Adic barrelledness and spaces of countable type 29, 1998, 1099-1010
- Perez-Acosta, F. & Santos-Leon, J. C.** On a certain banach space in connection with minimax series 29, 1998, 1203-1216
- Pescar, V.** On univalence of certain integral operators 31, 2000, 975-978
- Petricevic, Z.** On Fuzzy semiregularization separation properties and mappings 22, 1991, 971-982
- Philip, D. & Chandra, P.** Effects of heterogeneous and homogeneous reactions on the dispersion of a solute in simple microfluid 24, 1993, 551-562
- Piazza, B. L.** The splicing of cycle permutation graphs 25, 1994, 1259-1266
- Pilipovic, S. & Stojanovic, M.** Modified Bessel transform on the spaces  $LGa$  27, 1996, 265-276
- Pombo Jr., D. P. P.** A note on inferabarrelled locally  $K$ -convex spaces 22, 1991, 575-578
- Poonam & Sethi, P. L.** Dual series equations involving Laguerre polynomials with matrix argument 23, 1992, 49-54
- Popenda, J. & Schmeidel, E.** On the asymptotic behaviour of nonhomogeneous linear difference equations 28, 1997, 319-328
- Porsezian, K.** *See* Uthayakumar, A. & Porsezian, K.
- Pradeep Kumar, T. V.** *See* Satyanarayana, Bh., Pradeep Kumar, T. V. & Srinivasa Rao, M.
- Prakash, J.** A mathematical theorem for thermohaline convection of the Veronis type with
- Prakash, J.** *See* Banerjee, M. B., Shandil, R. G., Prakash, J., Bandral, B. S., Lal, P. & Kanwar, V.

- Prakash, K. & Kumar, N.** Effects of suspended particles, rotation and variable gravity field on the thermal instability of Rivlin-Ericksen viscoelastic fluid in porous medium 30, 1999, 1157-1166
- Prakash, K. and Manchanda, S.** Effect of magnetic viscosity and suspended particles on thermal instability of a plasma in porous medium 27, 1996, 711-722
- Prakash, V. Parthasarathy, K. R. & Rangan, C. P.** The Duchet conjecture 29, 1998, 447-460
- Prakasha Rao, B. L. S.** Inequalities of Weyl-type and information inequalities 29, 1998, 681-694
- Pramanik, A. K. & Banik, D.** The effect of inertial surface on capillary gravity waves generated by a moving source 27, 1996, 1125-1136
- Prasad, A.** See Prasad, K. C. & Prasad, A.
- Prasad, A.** See Roy, S. R. & Prasad, A.
- Prasad, A. V. M. & Padmavathamma** The Hardy-Ramanujan- Rademacher expansion for  $C\phi_{n,m}(n)$  using Ford circles 22, 1991, 913-926
- Prasad, A., Srivastava, G. P., Das, R. K. & Das, A. K.** Relativistic treatment of periodic orbits of collision in circular restricted problem of three bodies in a three dimensional co-ordinate system 30, 1999, 1243-1260
- Prasad, B. D.** The motion of  $(2 + \nu)$  charged particles when primaries are taken as two magnetic dipoles associated with two carrier stars 25, 1994, 443-448
- Prasad, B. N.** See Pande, H. D., Tripathi, P. N. & Prasad, B. N.
- Prasad, B. N., Pandey, T. N. & Dwivedi, P. K.** Metric like tensor field in a Finsler space 27, 1996, 869-874; Recurrent Finsler connection in a Finsler space with  $(\alpha, \beta)$  metric 29, 1998, 829-834
- Prasad, B. N., Prasad, C. M. & Duhi, O. P.** The Cartan tensor of a Finsler space with  $(\alpha, \beta, \gamma)$  metric 24, 1993, 119-124
- Prasad, C. M.** See Prasad, B. N., Prasad, C. M. & Duhi, O. P.
- Prasad, C. M. & Dube, C. B.** On  $T$ -tensor and  $\nu$ -curvature tensor of  $c_3$ -like Finsler spaces 23, 1992, 791-796
- Prasad, D., Singh, P. & Sinha, P.** Thermal and inertia effects in Rollers with power law lubricants having temperature and pressure dependent consistency 23, 1992, 305-320
- Prasad, G.** See Mittal, M. L. & Prasad, G.
- Prasad, K. C. & Prasad, A.** Some results on asymmetric approximation of irrational numbers 23, 1992, 1-6
- Prasad, K. L. S.** See Sinha, B. B. & Prasad, K. L. S.
- Prasad, K. S.** See Satyanarayana, Bh., Lokeswara Rao, M. B. V. & Prasad, K. S.
- Prasad, K. V. D.** See Rao, M.L. N., Rao, K. K. & Prasad, K. V. D
- Prasad, S. & Ojha, R. H.** CR-submanifolds of *trans*- sasakian manifolds 24, 1993, 427-434

- Prasad, S., Chakraborty, M. & Parthasarathy, H.** The role of statistics in signal processing- A brief review and some emerging trends 26, 1995, 547-578
- Prasad, V. S. R. & Fonesca, P.** On the iterates of arithmetic functions in a class 23, 1992, 7-14
- Prasad, V. S. R. & Rao, M. G.** A generalized Mobius inversion 25, 1994, 1229-1232
- Prasada Rao, D. R. V.** *See* Reddy, Y. P., Prasada Rao, D. R. V. & Krishna, D. V.
- Pudil, P., Novovicova, J., Choakjarernwanit, N. & Kittler, J.** The Max-Mm approach to feature selection: its foundations and practical potential 25, 1994, 71-84
- Pujar, S. S.** Integral formulas in Riemannian geometry 29, 1998, 389-396; On a structure defined by a tensor field of type  $(1, 1)$  satisfying  $p^{31, 2000} - p = 0$  31, 2000, 1229-1234; Use of the operator  $n$  in a Riemannian space 29, 1998, 1251-1256
- Purohit, G. N. & Patidar, R. P.** Flow in a compliant annulus 23, 1992, 531-544
- Pushpa Latha, L.** *See* Sampathkumar, E. & Pushpa Latha, L.
- Pushpa Latha, P.** *See* Sampathkumar, E., Pushpa Latha, P., Venkatachalam, V. & Bhat, P.
- Pushpalatha, L.** The global point-set domination number of a graph 28, 1997, 47-52
- Puttaswamy, T. K.** Connection coefficients for a certain third order differential equation in the neighbourhood of an irregular singular point 27, 1996, 945-958
- Qi, S.** Infinite boundary value problems for nonlinear impulsive integro-differential equations in a Banach space 31, 2000, 417-430
- Qiusheng, Q.** On the locally biorder-convex space and super efficiency 29, 1998, 1227-1234
- Qu, H.** Entire functions sharing one value IM 31, 2000, 849-856; *also see* Xu, Y. & Qu, H.
- Qubina, J. A.** *See* Gadea, P. M. & Qubina, J. A.
- Rachana & Sharma, R. & Agrawal, S. C.** A numerical study of hydromagnetic stability of an unbounded couple stress binary fluid mixture having vertical temperature and concentration gradients 26, 1995, 285-290
- Radhika, D.** *See* Rama Prasad, V. S., Rangamma, M. & Radhika, D.
- Radwan, E. A.** Rayleigh Taylor oscillation of streaming double perturbed cylindrical selfgravitating fluids 29, 1998, 855-870
- Raghava Rao, C. V.** Numerical study of slow viscous flow with shear past a circular cylinder 23, 1992, 377-386
- Raghavan, T. G.** Functions with  $\theta$ -closed graph and generalizations of paracompactness 24, 1993, 767-778; On countably para-H-closed spaces 27, 1996, 43-48; *also see* Thanapalan, P. T. D. & Raghavan, T. G.
- Raghunathan, M. S.** Values of quadratic forms 23, 1992, 321-324

- Raghunathan, T. T. *See* Bhawe, N. S. & Raghunathan, T. T, *also see* Shikare, M. M. & Raghunathan, T. T.
- Rai, A. Evolution of weak nonlinear acoustic waves in relaxing fluids 28, 1997, 551-562
- Rai, B. & Khare, P. Mathematical analysis of a two species model with a differential nature of interaction 22, 1991, 669-678
- Raja Sekhar, G. P., Nigam, S. D. & Amaranath, T. Dirichlet problem for non-axisymmetric irrotational flows 28, 1997, 423-428
- Rajammal, K. *See* Somasundaram, D. & Rajammal, K.
- Rajan, A. R. & Kumar, P. R. Bordered set languages 27, 1996, 343-356
- Rajarshi, M. B. *See* Naik-Nimbalkar, U. V. & Rajarshi, M. B.
- Rajeswari, C. *See* Dheena, P. & Rajeswari, C.
- Rajeswari, V. *See* Rao, K. S. & Rajeswari, V.
- Rajhans, B. K. & Samal, S. K. Diffraction of compressional waves by a fluid cylinder in a homogeneous medium 23, 1992, 603-618
- Rajkhowa, P. A few new identities of the Rogers-Ramanujan Type-I 31, 2000, 1059-1080
- Rajput, B. S. *See* Bisht, P. S., Negi, O. P. S. & Rajput, B. S.
- Raka, M. & Rani, U. Inhomogeneous Minima of a Class of Quaternary Quadratic Forms of Type (3, 1) 29, 1998, 889-908
- Rokocevic, V. & Zivkovic, S. Lower analogues of Gelfand and Kolmogorov numbers 30, 1999, 777-786
- Ram Krishna & Xavier, M. Analytical short-term orbit predictions with J2 to J6 in terms of KS elements 28, 1997, 1155-1176
- Rama Prasad, V. S., Rangamma, M. & Radhika, D. Congruence properties of a class of arithmetic functions 24, 1993, 87-90
- Ramachandran, P. N. *See* Veerapandiyan, N. & Ramachandran, P. N.
- Ramachandran, S. Elementary subdivisions and infinite graphs 22, 1991, 469-472; Reconstruction of  $(p, p \times 1)$ -graphs from elementary contractions 23, 1992, 579-584
- Ramakrishnan, P. V. *See* Babu, A. C., Ramakrishnan, P. V. & Seshan, C. R.
- Ramakrishnan, P. V. & Nayagam, V. L. G. Nearly fuzzy Hausdorff spaces 31, 2000, 695-712
- Ramanujachari, V. *See* Ganeshan, S., Balakrishna, S. & Ramanujachari, V.
- Ramanujachari, V., Balakrishna, S. & Ganesan, S. Probability density function approach to non-premixed turbulent flames 31, 2000, 1339-1352
- Ramanujam, N. *See* Selvakumar, K. & Ramanujam, N.
- Ramasamy, A. M. S. Polynomial solutions for the Pell's equation 25, 1994, 577-582
- Ramaswamy, K. M. *See* Somasundaram, D. & Ramaswamy, K. M.

- Ramayyan, A. & Thandapani, E.** On higher-order differential equation over Hardy fields 28, 1997, 887-896
- Ramuppillai, L.** *See* Thandapani, E. & Ramuppillai, L.
- Rana, A.** *See* Kaushuk, V. P. & Rana, A.
- Rana, G. C.** *See* Sharma, V. & Rana, G. C.
- Rana, N. C.** *See* Roy, R., Rangwala, A. A. & Rana, N. C.
- Rana, O. H.** *See* Lata, S., Rana, O. H. & Gupta, M. R.
- Rana, S. K.** *See* Singh, K. D. & Rana, S. K., *also see* Singh, K. D., Chand, K. & Rana, S. K.
- Rana, S. S.** Asymptotics and representation of deficient cubic splines 27, 1996, 295-300
- Rana, S. S. & Dubey, Y. P.** Best error bounds for deficient quartic spline interpolation 30, 1999, 385-394; Best error bounds of deficient Quintic spline interpolation 28, 1997, 1337-1344
- Rangamma, M.** *See* Rama Prasad, V. S., Rangamma, M. & Radhika, D.
- Rangamma, M. & Srinivasa Rao, B.** On solutions of some diophantine equations 27, 1996, 1193-1198
- Rangan, C. P.** *See* Prakash, V., Parthasarathy, K. R. & Rangan, C. P.
- Rangwala, A. A.** *See* Roy, R., Rangwala, A. A. & Rana, N. C.
- Rani, S.** *See* Garg, N. R., Singh, S. J. & Rani, S.
- Rani, U.** *See* Raka, M. & Rani, U.
- Rao, A. S.** On a twice continuously differentiable abstract Stepanov—almost periodic function 25, 1994, 1249-1252
- Rao, Ch. P.** *See* Mukherjee, R. N. & Rao, Ch. P.
- Rao, K. K.** *See* Rao, M. L. N., Rao, K. K. & Prasad, K. V. D.
- Rao, K. S. & Rajeswari, V.** On types of multiplicative Diophantine equations 23, 1992, 171-178
- Rao, M. G.** *See* Prasad, V. S. R. & Rao, M. G.
- Rao, M. L. N., Rao, K. K. & Prasad, K. V. D.** A note on a class of translation planes of square order 27, 1996, 731-734
- Rao, P. S., Srivathsa, B. & Murthy, P. N.** A numerical scheme for hydrodynamic lubrication of synovial fluid 26, 1995, 831-836
- Rao, R. S.** Matrix near-rings over semisimple near-rings 25, 1994, 743-754
- Rastogi, S.** *See* Lal, R., Gupta, U. S. & Rastogi, S.
- Rath, D. & Tripathy, B. C.** A note on the spectra of operator Schur matrices and the maximal group of the algebra of triangular conservative matrices 23, 1992, 411-418; Matrix maps on sequence spaces associated with sets of integers 27, 1996, 197-206; On statistically convergent and statistically Cauchy sequences 25, 1994, 381-386
- Ratha, A.** *See* Srivastava, P. D. & Ratha, A.

- Rathi, S. See Deshwal, P. S. & Rathu, S.
- Rathnamma, M. See Maralabhavi, Y B & Rathnamma, M
- Ravi, K. See Thandapani, E. & Ravi, K.
- Ravichandran, V. & Shanmugam, T. N. Some applications of differential subordination 27, 1996, 165-172
- Ray, A. See Pal, S, Bhattacharyya, R., Bhattacharyya, S. & Ray, A.
- Ray, B. K., Ray, K. S. & Dutta Majumder, D. An optimal algorithm for polygonal approximation of digitized curves 25, 1994, 113-126
- Ray, D. S. See Chakraborty, S., Ray, D. S. & Chakravarty, A.
- Ray, G. G. See Acharyya, S. K., Chattopadhyay, K. C. & Ray, G. G.
- Ray, K. S. See Ray, B. K., Ray, K. S. & Dutta Majumder, D.
- Ray, M. K., Chaudhury, S. & Banerji, S. The collapse of a model of the void in a Robertson-Walker universe with nonzero spatial curvature 31, 2000, 1051-1058
- Ray, S. See Chaudhuri, P. K. & Ray, S.
- Ray, S. See Tiwari, R. N. & Ray, S.; also see Tiwari, R. N., Ray, S. & Bhadra, S.; also see Mukherjee, M. N. & Raychaudhuri, S.
- Raychaudhuri, S. See Mukherjee, M. N. & Raychaudhuri, S.
- Raykov, I. Uniform convergence for multivalued algorithms 28, 1997, 1491-1504
- Reddy, K. G. See Babu, L. A., Reddy, K. G & Mohan, N. L
- Reddy, K. N. Periodic boundary value problems for second order nonlinear coupled ordinary differential systems 25, 1994, 1135-1146
- Reddy, K. S. See Bangad, M., Reddy, K. S. & Bhasker, C.
- Reddy, L. V. & Mukherjee, R. N. Efficiency and duality of multiobjective fractional control problems under  $(f, \rho)$ -convexity 30, 1999, 51-70
- Reddy, Y. P., Prasada Rao, D. R. V. & Krishna, D. V. Unsteady mixed convection flow in a channel of varying gap under oscillatory flux 28, 1997, 1043-1056
- Reddy, Y. V. & Murty, C. V. L. N. Regular IFP near rings 22, 1991, 943-952
- Refai, M. Group actions on finite CW-complexes 24, 1993, 245-256
- Reilly I. L. See Mrsevic, M. & Reilly I. L.
- Reilly, I. L. See Cao, J. & Reilly, I. L.
- Reilly, I. L. See Ganster, M., Kanibir, A. & Reilly, I. L.
- Rengarasu, U. See Patil, H. P. & Rengarasu, U.
- Rhoades, B. E. A general principle for Mann iterations 26, 1995, 751-762; Comments on a paper 31, 2000, 1619-1620; Fixed point theorems and stability results for fixed point-iteration procedures 24, 1993, 691-704; Minimal displacement for certain classes of mappings 31,

- 2000, 625-630; Proving fixed point theorems using general principles 27, 1996, 741-770, Some classes of doubly infinite matrices 23, 1992, 419-428; Some properties of Ishikawa iterates of nonexpansive mappings 26, 1995, 953-958
- Rhoades, B. E.** *See* Chandra, M., Mishra, S. N., Singh, S. L. & Rhoades, B. E., *also see* Gornicki, J. & Rhoades, B. E
- Rhoades, B. E.** *See* Hicks, T. L. & Rhoades, B. E.; *also see* Hu, T., Huang, J. C. & Rhoades, B. E.; *also see* Jeong, G. S. & Rhoades, B. E.; *also see* Jungck, G. & Rhoades, B. E.
- Rhoades, B. E., Tiwary, K., Singh, G. N.** A common fixed point theorem for compatible mappings 26, 1995, 403-410
- Rivera-Rebolled, J. M.** *See* Lopez-Bonilla, J. L., Ovandoz, G. & Rivera-Rebolled, J. M.
- Rivero, M.** *See* Bonilla, B., Kilbas, A. A., Rivero, M., Rodriguez, L. & Trujillio, J. J.
- Rodgers, M. J. & Brock, L. M.** Effects of nonlinear and linearized coupling on the dynamic thermoelastic response of a thin rod 28, 1997, 1215-1228
- Rvdler, R.** Almost sure convergence of set-valued generalized martingales and
- Rodriguez, L.** *See* Bonilla, B., Kilbas, A. A., Rivero, M., Rodriguez, L. & Trujillio, J. J.
- Roh, E. H.** *See* Meng, J., Jun, J. B. & Roh, E. H.
- Rokne, J. G.** *See* Dhaliwal, R. S., Saxena, H. S. & Rokne, J. G.
- Romaguera, S.** *See* Marin, J. & Romaguera, S.
- Ross, B.** *See* Miller, K. S. & Ross, B.
- Rostami, D. & Fadrani, V.** Fast iterative methods for solving of nonlinear weakly singular integral equations on smooth or nonsmooth boundary 29, 1998, 1257-1274
- Roy, A. & Singh, S. K.** Almost product Finsler structures and connections on vector bundle 27, 1996, 35-42
- Roy, R., Rangwala, A. A. & Rana, N. C.** Charged anisotropic fluid spheres in general relativity 27, 1996, 1119-1124
- Roy, S. R. & Prasad, A.** Some inhomogeneous cosmological models conformal to Bianchi type V universes in general relativity 26, 1995, 169-178
- Roychoudhuri, S. K. & Banerjee (Mukhopadhyay), S.** Note on the elastic wave propagation in elastic bars of finite length with randomly and linearly varying Young's modulus 24, 1993, 69-76
- Rudraiah, N., Wagner, C., Evans, G. S. & Friedrich, R.** Nonlinear study of Rayleigh-Taylor instability in thin films past a porous layer 29, 1998, 417-432
- Rudriah, N.** Asymptotic methods in magnetoconvection 28, 1997, 969-1004
- Sadaragani, K.** *See* Banas, J., Marti, A. & Sadaragani, K.
- Sagar, R.** *See* Gupta, U. S., Lal, R. & Sagar, R.

- Saha, J. *See* Khanduja, S. K. & Saha, J.
- Saha, M. & Baisnab, A. P. On Ciric's contraction operator and fixed points 27, 1996, 177-182
- Saha, S. *See* Chattopadhyay, A., Saha, S. & Chakraborty, M.
- Sahai, V. Lie theory of polynomials of the form FD via Mellin transformation 22, 1991, 927-942; On certain models of irreducible representations of  $sl(2, \mathbb{C})$  and Euler integral
- Sahai, V. On Models of  $U_4$  ( $sl(29, 1998,))$  and  $q$ -Euler integral transformations 29, 1998, 819-828
- Sahgal, S. *See* Chandel, R. C. S. & Sahgal, S.
- Sahoo, A. K. On the absolute Cesaro summability of a series related to Walsh-Fourier series 31, 2000, 177-184
- Sahu, A. K. & Mathur, M. N. Free convection in boundary layer flows of power-law fluids past a vertical flat plate with suction/ injection 27, 1996, 931-942
- Sahu, D. *See* Sharma, B. K. & Sahu, D.
- Sahu, D. R. *See* Sharma, B. K. & Sahu, D. R.
- Saikia, H. K. *See* Chowdhury, K. C., Masum, A. & Saikia, H. K.
- Saikia, H. K. *See* Masum, Ad. A., Saikia, H. K., Chowdhury, K. C.
- Saini, S. L. & Tomar, S. K. Surface wave propagation in anisotropic elastic layer sandwiched between a uniform layer of liquid and heterogeneous solid elastic half-space 26, 1995, 1021-1034
- Saitoh, H. *See* Nunokawa, M, Owa, S. & Saitoh, H.
- Saleem, M. & Tripathi, A. K. Asymptotic stability of linear and nonlinear model systems representing age-structured predator-prey interactions 31, 2000, 1195-1210
- Saliga, L. M. *See* Harder, A. M. & Saliga, L. M.; *also see* Harder, A., Hicks, T. L. & Saliga, L. M.
- Samal, S. K. *See* Rajhans, B. K. & Samal, S. K.
- Samanta, S. K. *See* Chapttopadhyay, K. C., Mukherjee, U.K. & Samanta, S. K.
- Samanta, S. K. *See* Mondal, T. K. & Samanta, S. K.
- Sampathkumar, E. & Latha, L. P. Bilinear and trilinear partitions of a graph 25, 1994, 843-850; Reconstruction of a graph of order  $p$  from its  $(p - 1)$ -complements 27, 1996, 435-442; Semi-strong chromatic number of a graph 26, 1995, 35-40; The global set-domination number of a graph 25, 1994, 1053-1057
- Sampathkumar, E. & Pushpa Latha, L. Point-set domination number of a graph 24, 1993, 225-230
- Sampathkumar, E., Pushpa Latha, P., Venkatachalam, V. & Bhat, P. Generalized complements of a Graph 29, 1998, 625-640
- Sangal, A. L. *See* Kumar, S. & Sangal, A. L.
- Sankaran, N. *See* Bhandari, A. K., Grover, V. K. & Sankaran, N.
- Sanni, S. A. Squeezing flow between varying-permeability porous rectangular plates 25, 1994, 665-678



- Santoro, G.** See Cammaroto, F., Kocinac, L. & Santoro, G.
- Santos-Leon, J. C.** See Perez-Acosta, F. & Santos-Leon, J. C.
- Sanyal, A.** See Mishra, S. K. & Sanyal, A.
- Sanyal, D. C. & Maji, N. K.** Unsteady blood flow through an indented tube with atherosclerosis 30, 1999, 951-960
- Sapre, M.** See Murthy, S. N. & Sapre, M.
- Sarigöl, M. A.** Necessary and sufficient conditions for the equivalence of the summability methods  $|N, p_n|$  and  $|C, 1|_k$  22, 1991, 483-490
- Sarma, D.** See Ahmed, N. & Sarma, D.
- Sasikala, K. R.** See Deekshatulu, B. L., Subhadra, P., Sasikala, K. R., Padmapriya, K. V. N., Lakshmi, V. U., Karunakar, T., Narasimha Rao, P. V., Vidyadhar, M. S. R. R., Kamaraju, M. V. V.
- Sastry, K. P. R. & Babu, G. V. R.** Some fixed point theorems by altering distances between the points 30, 1999, 641-648
- Sastry, K. P. R., Sukhla, I. L. & Panda, S. N.** Characterization of homomorphisms on a group of arithmetic functions 29, 1998, 333-344
- Sattar, M. A.** See Alam, M. S. & Sattar, M. A.
- Sattar, Md. A.** A method for the approximate solutions of the unsteady boundary layer equations 24, 1993, 271-278
- Sattar, Md. A. & Alam, Md. M.** MHD free convective heat and mass transfer flow with Hall current and constant heat flux through a porous medium 26, 1995, 157-168
- Sattar, Md. A. & Alam, Md. M.** Thermal-diffusion as well as transpiration effects on MHD free convection and mass transfer flow past an accelerated vertical porous plate 25, 1994, 679-688
- Sattar, Md. S.** Free convection and mass transfer flow through a porous medium past an infinite vertical porous plate with time dependent temperature and concentration 25, 1994, 759-766
- Satyanarayana, B.** On finite spanning dimensions in N-groups 22, 1991, 633-636
- Satyanarayana, B.** See Lahiri, M. & Satyanarayana, B.
- Satyanarayana, Bh., Lokeswara Rao, M. B. V. & Prasad, K. S.** A note on primeness in near-rings and matrix near-rings 27, 1996, 227-234
- Satyanarayana, Bh., Pradeep Kumar, T. V. & Srinivasa Rao, M.** On prime left ideals in  $\Gamma$ -rings 31, 2000, 687-694
- Savas, E.** On some generalized sequence spaces defined by a modulus 30, 1999, 459-464
- Savas, E.** On strong almost A-stability with respect to a Modulus and statistical convergence 23, 1992, 217-222
- Savas, E.** See Nuray, F. & Savas, E.
- Savas, E.** See Nuray, F. & Savas, E.

- Saxena, H. S. *See* Dhaliwal, R. S., Saxena, H. S. & Rokne, J. G.
- Saxena, M. *See* Pandey, K. & Saxena, M.
- Saxena, R. K. & Gupta, N. A complex inversion theorem for a modified H-transformation of distributions 26, 1995, 1111-1118; Some Abelian theorems for distributional H-function transformation 25, 1994, 869-880
- Saxena, R. K. & Gupta, R. K. On certain special transformations of poly-basic analogue of Srivastava-Daoust's function 23, 1992, 807-814
- Saxena, R. K., Sethi, P. L. & Guha, O. P. Appell functions of matrix arguments 28, 1997, 371-380
- Saxena, R. R. & Arora, S. R. Relation between set covering and set partitioning problems 28, 1997, 865-876
- Saxena, V. P. *See* Misra, O. P. & Saxena, V. P.
- Saxena, V. P. & Gupta, M. P. Steady state heat migration in radial and angular direction of human limbs 22, 1991, 657-668; On the stability of an egg-eating predator - prey system with an age-structured predator population 29, 1998, 879-888
- Sayed-Ahmed, M. E. Mixed convection heat transfer of power-law fluids in a vertical eccentric annulus 31, 2000, 227-242
- Schikhof, W. H. *See* Perez Garcia, C. & Schikhof, W. H.
- Schmeidel, E. *See* Popenda, J. & Schmeidel, E.
- Schmutz, E. Part sizes of random integer partitions 25, 1994, 567-576
- Sehmi, R. *See* Dumur, V. C. & Sehmi, R.
- Selvakumar, K. & Ramanujam, N. Uniform finite difference schemes for singular perturbation problems arising in gas porous electrodes theory 27, 1996, 893
- Selvam, A. Highly irregular bipartite graphs 27, 1996, 527-536; *also see* Balakrishnan, R., Selvam, A. & Yegnanarayanan, V.
- Sen, R. N. & Dutta, S. K. On the existence of an eigenfunction of the Hartree operator of the helium atom by the fixed point principle 22, 1991, 361-368
- Sen, S. *See* Chaudhuri, P. K. & Sen, S
- Sen, S. K. & Mukherjee, M. N. On extension of certain map from a topological space to a bitopological space 25, 1994, 507-512, Some characterizations of bitopological QHC-spaces 24, 1993, 389-400
- Sen, S. K., Nandi, J. N. & Mukherjee, M. N. Concerning bitopological QHC extensions 27, 1996, 257-264; On bitopological QHC-spaces 27, 1996, 245-256
- Sengupta, J., De, U. C. & Binh, T. Q. On a type of semi-symmetric non-metric connection on a Riemannian manifold 31, 2000, 1659-1670
- Sengupta, P. R. *See* Mukherjee, A. & Sengupta, P. R.
- Sengupta, P. R. *See* Nath, S. & Sengupta, P. R.
- Seo, T. Y. *See* Choi, J. & Seo, T. Y.

- Serag, H. M. *See* Hassan, H. M. & Serag, H. M.
- Serb, I. *See* Anisiu, V., Mocanu, P. T. & Serb, I.
- Seselja, B. & Tepavcevic, A. Representation of finite semilattices by meet-irreducibles 27, 1996, 1093-1100
- Seshagiri Rao, K. V. V. & Iyyengar, T. K. V. Oscillating periodic solutions of third order non-linear differential equations 23, 1992, 777-782
- Seshan, C. R. *See* Babu, A. C., Ramakrishnan, P. V. & Seshan, C. R.
- Sethi, P. L. *See* Poonam & Sethi, P. L.
- Sethi, P. L. *See* Saxena, R. K., Sethi, P. L. & Guha, O. P.
- Sethuraman, G. & Kishore, S. P. M. On graceful graphs : union of  $n$ -copies of edge deleted subgraphs of  $K_4$  30, 1999, 801-808
- Sever, A. & Yildiz, B. On the uniqueness for the backward parabolic equation 30, 1999, 221-228
- Seyhan, H. *See* Bor, H. & Seyhan, H.
- Shah, D. V. On natural numbers  $t_n$  for which both  $at_n + b$  and  $ct_n + d$  are simultaneously perfect squares 23, 1992, 545-554
- Shah, W. M. *See* Aziz, A. & Shah, W. M.
- Shahid, M. H. CR-Submanifolds of a *trans*-Sasakian manifold-II 25, 1994, 299-308; CR-submanifolds of a *trans*-Sasakian manifold 22, 1991, 1007-1012; CR-submanifolds of Kaehlerian product manifold 23, 1992, 873-880; On semi-invariant submanifolds of a nearly Sasakian manifolds 24, 1993, 571-580
- Shandil, R. G. *See* Banerjee, M. B., Shandil, R. G. & Bandral, B. S.; *also see* Banerjee, M. B., Shandil, R. G., Prakash, J., Bandral, B. S., Lal, P. & Kanwar, V.
- Shanmugam, T. N. *See* Ravichandran, V. & Shanmugam, T. N.
- Shantnarajappa, A. N. *See* Bagewadi, C. S. & Shantnarajappa, A. N.
- Sharma J. N., Singh, D. & Kumar, R. Propagation of thermoelastic waves in homogeneous isotropic plates 31, 2000, 1167-1182
- Sharma, A. *See* Bhatia, D. & Sharma, A.
- Sharma, B. B., Guleria, O. C. & Kumar, A. Stiffening effect of centrifugal force on coupled vibration of a beam of linearly varying channel cross-section under unsteady aerodynamic forces 26, 1995, 921-930
- Sharma, B. K. *See* Thakur, B. S., Jung, J. S. & Sharma, B. K.
- Sharma, B. K. & Sahu, D. Fixed point for a generalized Lipschitzian semigroup and demiclosed criteria 30, 1999, 937-944
- Sharma, B. K. & Sahu, D. R. Existence and approximation results for asymptotically pseudocontractive mappings 31, 2000, 185-196
- Sharma, B. K., Dhagat, V. B. & Gupta, G. Minimization theorem with fuzzy version under quasi-compatible condition 30, 1999, 629-640

- Sharma, B. S. & Srivastava, S. K. Fixed point theorem for densifying mappings in complete metric space 22, 1991, 5-8
- Sharma, D. K. *See* Lahiri, I. & Sharma, D. K.
- Sharma, J. N. State space approach to generalized thermoelastic problem 26, 1995, 1211-1224; Temperature distribution in a generalized thermoelastic solid due to heat sources 28, 1997, 1303-1316
- Sharma, J. N. & Chand, D. Vibrations in a transversely isotropic plate due to suddenly punched hole 27, 1996, 217-226
- Sharma, J. N. & Chauhan, R. S. On the problems of body forces and heat sources in thermoelasticity without energy dissipation 30, 1999, 595-610
- Sharma, J. N. & Sharma, R. L. On spherically symmetric generalized thermoelastic waves in a transversely isotropic medium 27, 1996, 1151-1166
- Sharma, J. R. *See* Gupta, Y. K. & Sharma, J. R.
- Sharma, K. C. *See* Vaishampayan, S. V. & Sharma, K. C.
- Sharma, M. D. Reflection and refraction at an interface between cracked elastic solid and ordinary elastic solid 30, 1999, 465-476
- Sharma, M. D. & Gogna, M. L. Discrete wave number representation of seismic source wave fields in fluid saturated porous media 27, 1996, 913-930
- Sharma, M. K. *See* Singh, V. P. & Sharma, M. K.
- Sharma, N. *See* Gupta, A. P., Kumar, Y. & Sharma, N.
- Sharma, N. C. & Sinha, B. B. A modified instability criterion for heterogeneous shear flows 23, 1992, 821-826
- Sharma, P. R. & Kumar, H. Unsteady flow of a non-Newtonian fluid down an open inclined channel 25, 1994, 551-558
- Sharma, P. R. & Mathur, P. Steady laminar free convection flow of an electrically conducting fluid along a porous hot vertical plate in the presence of heat source/sink 26, 1995, 1125-1134
- Sharma, R. *See* Rachana, Sharma, R. & Agrawal, S. C.
- Sharma, R. C. & Kumar, P. Corrigendum: Rayleigh-Taylor instability of viscous-viscoelastic fluid through porous medium 27, 1996, 525-526; Effect of rotation on thermal convection in micropolar fluids in porous medium 29, 1998, 95-104; Effect of suspended particles on thermal instability in Rivlin-Ericksen elastico-viscous fluid 30, 1999, 477-484; Hydromagnetic Rayleigh-Taylor instability of Oldroydian viscoelastic fluids in porous medium in presence of variable magnetic field 25, 1994, 1099-1106; Rayleigh Taylor instability of viscous viscoelastic fluids through porous medium 24, 1993, 563-570
- Sharma, R. C. Sunil & Suresh Chand Hall effect on thermal instability of Rivlin-Ericksen fluid 31, 2000, 49-60
- Sharma, R. C., Sunil & Chand, S. Thermosolutal instability of

- rivlin-ericksen rotating fluid in porous medium 29, 1998, 433-440
- Sharma, R. K. *See* Garg, N. R. & Sharma, R. K.
- Sharma, R. L. *See* Sharma, J. N. & Sharma, R. L.
- Sharma, S. *See* Dhage, B. C. & Sharma, S
- Sharma, S. *See* Gupta, S. K. & Sharma, S.
- Sharma, S. *See* Gupta, S. K., Sharma, S. & Pathak, S.
- Sharma, S. *See* Kapur, J. N. & Sharma, S.
- Sharma, S. *See* Sharma, V. & Sharma, S.
- Sharma, S. D. & Singh, B. A semi-dynamical system induced by composition operators 30, 1999, 715-720
- Sharma, U., Viswanathan, K., Singh, K. & Gogna, M. L. Diffraction of obliquely incident surface waves by a soft vertical plane barrier of finite depth 22, 1991, 337-354
- Sharma, V. & Rana, G. C. Magnetogravitational instability of a thermally conducting rotating Rivlin-Ericksen fluid with hall current in porous medium 31, 2000, 1559-1578
- Sharma, V. & Sharma, S. Thermosolutal convection in micropolar fluids in hydromagnetics in porous medium 31, 2000, 1353-1368
- Shaw, M. H. *See* Aziz, A., and Shaw W. M.
- Shen, C. Y. *See* Owa, S. & Shen, C. Y.
- Shen, J. *See* Luo, Z., Lin, X. & Shen, J
- Shen, J. H. Comparison and oscillation results for difference equations with continuous variable 31, 2000, 1633-1642
- Shenoy, B. G. *See* Kumar, S. & Shenoy, B. G.
- Sherif, N. On square roots of a rotation 22, 1991, 725-736
- Shi, Y. & Chen, S. Multiple positive solutions of singular boundary value problems 30, 1999, 847-856
- Shiam, R. S. & Yaghoobinejad, Y. Suction flow along a circular surface 24, 1993, 267-270
- Shibata, K. On the analytic function with assigned singularity 27, 1996, 1237-1248
- Shikare, M. M. Splitting operation and connectedness in binary matroids 31, 2000, 1691-1698
- Shikare, M. M. & Raghunathan, T. T. A characterization of binary eulerian matroids 27, 1996, 153-156
- Shim, S. H., Kang, S. M., Hung, N. J. & Cho, Y. J. Generalized set-valued strongly nonlinear quasivariational inclusions 31, 2000, 1113-1122
- Shkhanekov, M. H. *See* Öztürk, I. & Shkhanekov, M. H.
- Shri Ram & Tiwari, S. K. Generalized Einstein-Rosen space-times with scalar waves 29, 1998, 705-710
- Shrivastava, U. K., Varma, S. K. & Yadav, R. S. Approximation of function of class  $Lip(\alpha, p)$  by  $[F, d_n]$  mean 28, 1997, 211-224

- Shrivastava, M.** Convergence of a class of quarc interpolator splines 28, 1997, 207-210
- Shukla, R. K.** Elastic-plastic transition in a compressible cylinder under internal pressure 28, 1997, 277-288; Elastic-plastic transition in a non-homogeneous disc with variable thickness subjected to internal pressure 31, 2000, 713-720; *also see* Gupta, S. K. & Shukla, R. K.; Creep transition in a thin rotating non-homogeneous disc 27, 1996, 487-498
- Siddiqi, A. H., Ahmad, R. & Khan, M. F.** An iterative scheme for general mixed multivalued mildly nonlinear variational inequalities 29, 1998, 583-588; Existence of solution for generalized multivalued vector variational inequalities without convexity 28, 1997, 1057-1060
- Siddiqi, A. H., Ansari, Q. H. & Ahmad, R.** On generalized variational-like inequalities 26, 1995, 1135-1142; On vector variational-like inequalities 28, 1997, 1009-1016; Variational-like inequalities for multivalued maps 30, 1999, 161-166
- Siddiqi, A. H., Khan, M. F. & Ahmad, R.** Wiener-Hopf equations and general mildly nonlinear solid due to heat sources 28, 1997, 1317-1326
- Siddiqui, A. H., Ansari, Q. H. & Kazmi, K. R.** On nonlinear variational inequalities 25, 1994, 969-974
- Siddiqui, Z. A.** *See* Ahmad, K., Kazmi, K. R. & Siddiqui, Z. A.
- Sidharth, B. G. & Pandu, J.** A formula for estimating phase-shifts and resonant energies 24, 1993, 409-416
- Sigarkanti, S. C.** *See* Kullı, V. R. & Sigarkanti, S. C.
- Simeonov, P. S.** *See* Bainov, D. D., Hristova, S. G. & Simeonov, P. S.
- Singh, A. K. & Thorpe, G. R.** Natural convection in a confined fluid overlying a porous layer — a comparison study of different models 26, 1995, 81-96
- Singh, A. K., Yusuf, M. & Soundalgekar, V. M.** Stability of flow of a viscous incompressible fluid between concentric rotating cylinders with radial temperature gradient 25, 1994, 449-456
- Singh, A. P. & Baloria, M. S.** Comparative growth of composition of entire functions 24, 1993, 181-188; On maximum Modulus and maximum term of composition of entire functions 22, 1991, 1019-1026
- Singh, A. P. & Charak, K. S.** Factorization of certain classes of entire and meromorphic functions 28, 1997, 81-94
- Singh, A. P. & Dhar, R. S.** Meromorphic functions that share values by simple and double zeros, 26, 1995, 697-704
- Singh, B.** Composition operators on  $C_b(X, E)$  26, 1995, 97-102
- Singh, B.** *See* Kumar, R. & Singh, B.
- Singh, B.** *See* Sharma, S. D. & Singh, B.
- Singh, B. & Chakraverty, S.** Transverse vibration of circular and elliptic plates with variable thickness 22, 1991, 787-804

- Singh, B. & Kaur, K. Weighted composition operators on weighted spaces in the non-locally convex setting 31, 2000, 1379-1390
- Singh, B. & Kour, K. On weighted composition operators on non-locally convex function spaces 28, 1997, 1505-1512
- Singh, C. S. *See* Prasad, B. N., Pandey, T. N. & Singh, C. S.
- Singh, D. *See* Sharma, J. N., Singh, D. & Kumar R.
- Singh, D. K. *See* Abdussattar & Singh, D. K.
- Singh, G. N. *See* Rhoades, B. E., Tiwary, K., Singh, G. N.
- Singh, H. Conjugate Loci in a lie algebra 24, 1993, 241-244
- Singh, H. On the cut locus and the focal locus of principal orbit in a Riemannian manifold 26, 1995, 661-668; Spliting of Jacobi equation and decomposition of index form 23, 1992, 277-284
- Singh, K. *See* Sharma, U., Viswanathan, K., Singh, K. & Gogna, M. L.
- Singh, K. D. Hydromagnetic free convective flow past a porous plate 22, 1991, 591-600
- Singh, K. D. & Rana, S. K. Three dimensional flow and heat transfer through a porous medium 23, 1992, 905-914
- Singh, K. D., Chand, K. & Rana, S. K. Heat transfer in three dimensional MHD flow past a porous plate 24, 1993, 327-336
- Singh, L. P. *See* Acharya, M., Dash, G. C. & Singh, L. P.
- Singh, N. Higher cohomology operations, exotic characteristic classes and spherical
- Singh, N. *See* Bhardwaj, V. K. & Singh, N.; Some new classes in the stable homotopy groups of the Thom space  $Mstop$  of stable universal topological bundle 22, 1991, 989-996
- Singh, P. *See* Prasad, D., Singh, P. & Sinha, P.
- Singh, P. C., Das, S., Patra, B. & Maulik, T. N. Dynamic stress intensity factor around a Griffith crack in an orthotropic layer with moving punch 30, 1999, 1003-1016
- Singh, R. K., Lal, N. & Kumar, R. Substitution operators on a space of infinitely differentiable functions 26, 1995, 441-444
- Singh, R. P. *See* Singh, T. & Singh, R. P.
- Singh, S. *See* Manchanda, P. & Singh, S.
- Singh, S. J. *See* Garg, N. R., Singh, S. J. & Rani, S.
- Singh, S. J. *See* Kumari, G. & Singh, S. J.
- Singh, S. K. An  $h$ -metrical  $d$ -connection of a special Miron space 26, 1995, 347-350; Conformally Minkowski type spaces and certain  $d$ -connections in a Miron space 26, 1995, 339-346; Non-Riemannian Cartan geometry 27, 1996, 543-550; On metrical Finsler connections with torsion of generalized Finsler spaces 25, 1994, 399-404; *also see* Roy, A. & Singh, S. K.

- Singh, S. L. *See* Chandra, M., Mishra, S. N., Singh, S. L. & Rhoades, B. E. distorted by differential rotation **22**, 1991, 769-780
- Singh, S. L. *See* Mishra, S. N., Singh, S. L. & Talwar, R. Singh, V. P. & Sharma, M. K. Effect of differential rotation on the periods of small adiabatic oscillations of stellar models **26**, 1995, 69-80, Effects of differential rotation on the periods of small adiabatic oscillations of stars in binary systems **27**, 1996, 103-122
- Singh, S. L. & Mishra, S. N. Remarks on Jachymski's fixed point theorems for compatible maps **28**, 1997, 611-616
- Singh, S. P. Certain transformation formulae for  $q$ -series **31**, 2000, 1369-1378
- Singh, S. P. *See* Park, S., Singh, S. P. & Watson B. Singhal, J. P. & Dave, B. I. A  $q$ -analogue of a general class of polynomials and its inverse **22**, 1991, 839-844
- Singh, S. P., Tarafdar, E. & Watson, B. Corrigendum to 'Variational Inequalities with Applications' **29**, 1998, 573-574, Variational inequalities and applications **28**, 1997, 1083-1090
- Singh, T. & Singh, R. P. Linear sweep voltammetry of irreversible charge transfer coupled with irreversible catalytic reaction under diffusion-convection control : an integral equation approach **31**, 2000, 363-374
- Singh, U. P. & Srivastava, R. K. On a transformation associated with sets of  $n$ -fundamental forms of Finsler hypersurfaces **23**, 1992, 325-332; On  $h$ -transformation of some special Finsler spaces **23**, 1992, 555-560
- Singh, V. K. *See* Mukharjee, R. N. & Singh, V. K. Singla, R. K., Chhabra, R. K. & Trehan, S. K. Kelvin-Helmholtz instability in the neighbourhood of the minimum of the neutral curve in electrohydrodynamics **31**, 2000, 721-742; Uniformly valid expansion for finite amplitude surface waves in electrohydrodynamics in a fluid of infinite depth **27**, 1996, 807-820
- Singh, V. K. Self-similar magneto radiative shock waves in generalized Roche model **22**, 1991, 243-250
- Singh, V. P. *See* Mohan, C., Lal, A. K. & Singh, V. P.; System of Roche coordinates for Stellar models Sinha, A. K. *See* Kumar, R. & Sinha, A. K.
- Sinha, B. B. *See* Sharma, N. C & Sinha, B. B. Sinha, B. B. & Ansari, M. M. Special semi-symmeteic connection in a Kahlerian finsler manifold **22**, 1991, 997-1006
- Sinha, B. B. & Prasad, K. L. S. Almost para contact semi-symmetric metric Finsler connections on vector bundle **26**, 1995, 249-258
- Sinha, B. B. & Srivastava, A. K. Curvatures on Kenmotsu manifold **22**, 1991, 23-28; Semi-invariant submanifolds of a Kenmotsu



- manifold with constant  $\phi$ -holomorphic sectional curvature 23, 1992, 783-790
- Sinha, B. B. & Yadav, R. K.** Almost contact semi-symmetric metric Finsler connections on vector bundle 22, 1991, 29-40; On almost Sasakian Finsler manifolds 22, 1991, 185-192
- Sinha, B. B. & Yadav, R. N.** Some results on semi-invariant submanifolds of a certain class of almost contact manifolds 22, 1991, 455-460
- Sinha, D. P.** See Jain, P. K., Jarrah, A. M. & Sinha, D. P.
- Sinha, P.** See Prasad, D., Singh, P. & Sinha, P.
- Sinha, P.** See Saxena, V. P., Misra, O. P. & Sinha, P.
- Sirajudeen, S. M.** Matrix transformation of  $bv$  into  $l(q)$ ,  $l_\infty(q)$ ,  $co(q)$  and  $c(q)$  23, 1992, 55-62
- Sirajudeen, S. M. & Sulaiman, A.** Inclusion theorems on matrix transformations of some sequence spaces over non-Archimedean fields 26, 1995, 445-450
- Sitaramaiah, V. & Subbarao, M. V.** On a class of  $\psi$ -products preserving multiplicativity - II 25, 1994, 1233-1242; The maximal order of certain arithmetic functions 24, 1993, 347-356; On class of  $\psi$ -products preserving multiplicativity 22, 1991, 819-832
- Sivagurunathan, S. & Mohanty, S. P.** Connected complementary graphs relative to  $K_{a,b}$  and some Nordhaus-Gaddum-type results 28, 1997, 335-342
- Sivakumar, K. C.** Nonnegative generalized inverses 28, 1997, 939-942
- Sivakumar, K. C.** See Kulkarni, S. H. & Sivakumar, K. C.
- Sofo, A.** See Dragomir, S. S., Cerone, P. & Sofo, A.
- Solanki, K. R.** See Srivastava, P. N., Ajit & Solanki, K. R.
- Somaraju, V.** Effect of normal blowing on the hydrodynamic flow in a rotating cylindrical container 22, 1991, 689-702
- Somasundaram, D.** Inclusion theorems on matrix transformations of some sequence spaces over non-archmedian fields V 24, 1993, 319-326; On a matrix transformation over non-archimedean fields 28, 1997, 951-954; On a theorem of Robinson for non-archimedean Banach spaces 27, 1996, 183-192
- Somasundaram, D.** On the subspace  $(\lambda)$  of entire functions 29, 1998, 1025-1028
- Somasundaram, D. & Padmavathy, V.** On generalizations of H-closed spaces 27, 1996, 557-574
- Somasundaram, D. & Rajammal, K.** Torsional transformations of some matrix spaces 24, 1993, 313-318
- Somasundaram, D. & Ramaswamy, K. M.** On a generalisation of KR spaces 24, 1993, 581-586
- Sombatboriboon, S., Thomas, D. K. & Triphop, N.** A criterion for starlikeness 25, 1994, 1291-1294
- Soner, N. D.** See Kulli, V. R. & Soner, N. D.

- Soni, D. C. & Bahadur, L. A note on coapproximation 22, 1991, 579-582
- Sooryanarayana, B. On the metric dimension of a graph 29, 1998, 413-416
- Soundalgekar, V. M. See Singh, A. K., Yusuf, M. & Soundalgekar, V. M.
- spaces by geodesic tubes 26, 1995, 1073-1086
- Spearman, B. K. See Huard, J. G., Spearman, B. K. & Williams, K. S.
- Spearman, B. K. & Williams, K. S. Dihedral quintic polynomials and a theorem of Galois 30, 1999, 839-846
- Sreenivasulu, V. A characterization of non-archimedean entire functions of bounded index 28, 1997, 381-390
- Sridharan, J., Nallaswamy, R. & Srinivasan, A. On the rates of convergence of first passage times and their associated processes 29, 1998, 299-310
- Srimani, P. K. & Sudhakar, H. R. Linear and nonlinear penetrative convection in a porous layer 27, 1996, 499-518; Transitions in heat transfer in a rotating porous layer 23, 1992, 443-462
- Srinivasa Rao, B. See Rangamma, M. & Srinivasa Rao, B.
- Srinivasa Rao, K., Kumar, C. V. R. S. V. & Srinivasa Rao, K. S. Stochastic modeling of multiple sclerosis (MS) 27, 1996, 1185-1192
- Srinivasa Rao, K. S. See Srinivasa Rao, K., Kumar, C. V. R. S. V. & Srinivasa Rao, K. S.
- Srinivasa Rao, M. See Satyanarayana, Bh., Pradeep Kumar, T. V. & Srinivasa Rao, M.
- Srinivasan, A. See Sridharan, J., Nallaswamy, R. & Srinivasan, A.
- Srinivasan, V. & Kandaswamy, P. Propagation of Alfvén waves in an isothermal compressible atmosphere when the displacement current is not neglected 22, 1991, 251-258
- Srivastav, A. & Venkataraman, S. Relative Galois module structure of quadratic extensions 25, 1994, 473-488
- Srivastava, A. K. See Sinha, B. B. & Srivastava, A. K.
- Srivastava, B. K. See Srivastava, J. K. & Srivastava B. K.
- Srivastava, G. P. See Prasad, A., Srivastava, G. P., Das, R. K. & Das, A. K.
- Srivastava, G. S. See Kumar, N. & Srivastava, G. S.
- Srivastava, J. K. & Srivastava, B. K. Generalized sequence space  $co(X, \lambda, p)$  27, 1996, 73-84
- Srivastava, K.  $z$ -Embedding and fibered product 28, 1997, 169-174
- Srivastava, N. Riemann boundary value problem technique for solving simultaneous dual series relations involving trigonometric series 23, 1992, 433-442
- Srivastava, P. D. See Ghosh, D. & Srivastava, P. D.
- Srivastava, P. D. & Gnanaseelan, C. A generalized product on some sequences and matrix transformation 28, 1997, 943-950

- Srivastava, P. D. & Ratha, A.** Multiplication on the generalized analytic sequence and matrix transformations 23, 1992, 223-234
- Srivastava, P. N., Ajit & Solanki, K. R.** Study of a mathematical model related to total biomass of trees 31, 2000, 743-746
- Srivastava, R. K.** See Singh, U. P. & Srivastava, R. K.
- Srivastava, S. K.** See Sharma, B. S. & Srivastava, S. K.
- Srivathsa, B.** See Rao, P. S., Srivathsa, B. & Murthy, P. N.
- Stamova, I. M.** See Bainov, D. D. & Stamova, I. M.
- Stanimirovic, P. S.** Block representation of  $\{1, 2\}$ ,  $1, 2$  inverses and the Drazin inverse of matrices 29, 1998, 1159-1176
- Stanimirovic, P. S.** See Djordjevic, D. S. & Stanimirovic, P. S.
- Stiener, R. & Mohanty, S. P.** On Mordell's equation  $y^2 - k = x^3$  22, 1991, 13-22
- Stojanovic, M.** See Pilipovic, S. & Stojanovic, M.
- Straight, H. J.** See Jayaram, S. F., Harris Kwong, Y. H. & Straight, H. J.
- Subbaih, M. & Padmini, M.** On the stability of inviscid compressible shear flows 29, 1998, 811-818; also see Padmini, M. & Subbiah, M.; Note on the nonlinear stability of equivalent barotropic flows 30, 1999, 1261-1272; On stability of stratified compressible shear flows 28, 1997, 95-108
- Subhadra, P.** See Deekshatulu, B. L., Subhadra, P., Sasikala, K. R., Padmapriya, K. V. N., Lakshmi, V. U., Karunakar, T., Narasimha Rao, P. V., Vidyadhar, M. S. R. R., Kamaraju, M. V. V
- Subramaniam, R. & Balachandran, K.** Existence of solutions of general nonlinear stochastic integral equations 28, 1997, 775-790
- Subramanian, L. & Patil, P. R.** Thermohaline convection with coupled molecular diffusion in an anisotropic porous medium 22, 1991, 169-184
- Sudhakar, H. R.** See Srirani, P. K. & Sudhakar, H. R.
- Sukhla, I. L.** See Sastry, K. P. R., Sukhla, I. L. & Panda, S. N.
- Sulaiman, A.** See Sirajudeen, S. M. & Sulaiman, A.
- Sun, L. P.** The convergence of quasi-Newton matrices generated by the self-scaling symmetric rank one update 29, 1998, 51-58
- Sun, X. H.** Degree of approximation of functions in the generalized Hvalder metric 27, 1996, 407-418
- Sundaram, P.** See Balachandran, K., Sundaram, P. & Maki, H.; also see Thandapani, E. & Sundaram, P.
- Sundaram, P. & Thandapani, E.** Oscillation and nonoscillation theorems for second order quasilinear functional difference equations 31, 2000, 37-48
- Sundararajan, N.** Fourier and Hartley transform — a mathematical twin 28, 1997, 1361-1366

- Suneja, S. K.** See Kaul, R. N., Suneja, S. K. & Davar, S.; also see Kaul, R. N., Suneja S K., and Davar, C. S.
- Suneja, S. K. & Gupta, S.** Duality for generalized semilocally convex programs 26, 1995, 841-850
- Suneja, S. K., Lalitha, C. S. & Khurana, S.** Optimal and duality theorems for non smooth multiobjective fractional programs 30, 1999, 243-258
- Sunil** See Sharma, R. C. Sunil & Suresh Chand; also see Sharma, R. C., Sunil & Chand, S.; Thermal instability of an FLR plasma in porous medium 26, 1995, 1011-1020
- Suresh Chand** See Sharma, R. C. Sunil & Suresh Chand
- Surla, K. & Uzelac, Z.** A uniformly accurate difference scheme for singular perturbation problem 27, 1996, 1005-1016
- Surma Devi, C. D.** See Takhar, H. S., Surma Devi, C. D. & Nath, G.
- Svetlana, J.** See Miljana, J. & Svetlana, J.
- Swart, H. C.** See Henning, M. A. & Swart, H. C.
- Swift, R. J.** Locally time-varying harmonizable spatially isotropic random fields 28, 1997, 295-310
- Szabó, S.** The Diophantine equation  $x^4 + y^4 = z^2$  in  $Q(\sqrt{-2})$  30, 1999, 857-862
- Szabo, V. E. S.** Mean convergence of Lagrange interpolation 27, 1996, 1077-1086
- Szarek, T.** See Gacki, H., Szarek, T. & Wedrychowicz, S.
- Takhar, H. S.** See Kumari, M., Takhar, H. S. & Nath, G.
- Takhar, H. S., Surma Devi, C. D. & Nath, G.** Flow and heat transfer over an upstream moving wall with a magnetic field and a parallel free stream 22, 1991, 89-98
- Talebi, S.** See Niknam, A. & Talebi, S.
- Talwar, R.** See Mishra, S. N., Singh, S. L. & Talwar, R.
- Taqvi, Z. A.** See Bhatnagar, K. B., Taqvi, Z. A. & Arif, M
- Taqvi, Z. A. & Arif, Md.** Collinear equilibria of the (2 + 2) body problem when the primaries are oblate spheroids with magnetic field 26, 1995, 1119-1124
- Tarafdar, E.** See Singh, S. P., Tarafdar, E. & Watson, B.
- Tarafdar, E. & Yuan, X. Z.** Equilibria of non-compact generalized games and non-compact quasi-variational inequalities 25, 1994, 1207-1222
- Tariq, Q. M.** Certain extremal properties of polynomials and typically real functions 22, 1991, 473-482
- Tepavcevic, A.** See Seselja, B. & Tepavcevic, A.
- Thakare, N. K. & Nimbhorkar, S. K.** Prime strict ideals in Rickart\*-rings 22, 1991, 63-72
- Thakare, N.K. & Waphare, B. N.** Partial solution to the open problem of unification of a weakly Rickart \*-ring 28, 1997, 189-196
- Thakur, B. S., Jung, J. S. & Sharma, B. K.** Fixed point theorems for generalized

- uniformly Lipschitzian semigroups 29, 1998, 71-80
- Thanapalan, P. T. D.** Mappings and products of nearly paralindelvf spaces 22, 1991, 567-574; On nearly Paralindelvf spaces 22, 1991, 303-312
- Thanapalan, P. T. D. & Raghavan, T. G.** Minimal topological of almost Paralindelvf spaces 22, 1991, 295-302
- Thandapani, E.** Asymptotic and oscillatory behaviour of solutions of nonlinear second order difference equations 24, 1993, 365-372; Oscillation theorems for higher order nonlinear difference equations 25, 1994, 519-524; Perturbations of nonlinear system of difference equations 25, 1994, 513-518; *also see* Ramayyan, A. & Thandapani, E.; *also see* Sundaram, P. & Thandapani, E.
- Thandapani, E. & Arul, R.** Oscillation properties of solutions of second order nonlinear neutral delay difference equations 28, 1997, 1567-1572
- Thandapani, E. & Manuel, M. M. S.** Summable criteria for a classification of solution of linear difference equations 28, 1997, 53-62
- Thandapani, E. & Ramuppillai, L.** Oscillatory behaviour of quasilinear difference equations of second order 31, 2000, 773-782
- Thandapani, E. & Ravi, K.** Oscillation of nonlinear functional equations 30, 1999, 1235-1242
- Thandapani, E. & Sundaram, P.** On the asymptotic and oscillatory behaviour of solutions of second order non linear neutral difference equations 26, 1995, 1149-1160
- Thangadurai, R.** *See* Adhikari, S. D. & Thangadurai, R
- Thirwani, D.** A note on fixed-charge bi-criterion transportation problem with enhanced flow 29, 1998, 565-572
- Thomas, D. K.** *See* Darus, M. & Thomas, D. K.; *also see* Sombathoriboon, S., Thomas, D. K. & Triphop, N
- Thorat, S. P.** *See* Chaudhary, M. S. & Thorat, S. P.
- Thorpe, G. R.** *See* Singh, A. K. & Thorpe, G. R.
- Thuraiswamy, A.** *See* Arumugam, S. & Thuraiswamy, A.
- Tianzi, J.** Asymptotic expansion of the uniform norm of the derivative operator associated with the Lagrange trigonometric interpolation operator 24, 1993, 31-42
- Tiryaki, A.** Boundedness and periodicity results for a certain system of third order nonlinear differential equations 30, 1999, 361-372
- Tiryaki, A. & Tunc, C.** Constructing Lyapunov functions for certain fourth-order autonomous differential equations 26, 1995, 225-232
- Tiwari, A.** *See* Chandel, R. C. S. & Tiwari, A.
- Tiwari, K. & Debnath, S. C.** On Ishikawa iterations 26, 1995, 743-750
- Tiwari, R. N. & Ray, S.** A class of solutions for Einstein field equations

- with spatially varying cosmological constant in spherically symmetric anisotropic source 27, 1996, 907
- Tiwari, R. N., Ray, S. & Bhadra, S. Relativistic electromagnetic mass model with cosmological variable  $\Lambda$  in spherically symmetric anisotropic source 31, 2000, 1017-1024
- Tiwari, S. K. See Shri Ram & Tiwari, S. K.
- Tiwary, K. See Rhoades, B. E., Tiwary, K., Singh, G. N.
- Tomar, S. K. See Kumar, R. & Tomar, S. K.
- Tomar, S. K. See Saini, S. L. & Tomar, S. K.
- Trehan, S. K. See Chhabra, R. K. & Trehan, S. K.
- Trehan, S. K. See Singla, R. K., Chhabra, R. K. & Trehan, S. K.
- Trimhche, K. See Dachraoui, A. & Trimhche, K.
- Tripathi, A. K. See Saleem, M. & Tripathi, A. K.
- Tripathi, P. N. See Pande, H. D., Tripathi, P. N. & Prasad, B. N.
- Tripathy, B. C. See Rath, D. & Tripathy, B. C.
- Tripathy, B. K. A note on bounded, conservative, linear operators and the maximal group 23, 1992, 569-574
- Tripathy, B. K. & Mohanty, D. On some comparison and total comparison theorems in summability 22, 1991, 143-158
- Tripathy, K. C. See Tripathy, L. K. & Tripathy, K. C.
- Tripathy, L. K. & Tripathy, K. C. Quantization and construction of second order invariants for two dimensional super systems 22, 1991, 45-54
- Triphop, N. See Sombatboriboon, S., Thomas, D. K. & Triphop, N.
- Trivedi, M. M. See Krishna Rao, J., Annapurna, M. & Trivedi, M. M.
- Trujillio, J. J. See Bonilla, B., Kilbas, A. A., Rivero, M., Rodriguez, L. & Trujillio, J. J.
- Tunc, C. See Tiryaki, A. & Tunc, C.
- Tyagi, S. See Chaurasia, V. B. L. & Tyagi, S.
- Udomene, A. See Osilike, M. O. & Udomene, A.
- Ulker, K. See Enginer, Y., Hortascu, M., Kaya, R., Ozdemir, N., Ulker, K. & Yapiskan, B.
- Ume, J. S. & Kim, J. K. Common fixed point theorems in  $d$ -metric spaces with local boundedness 31, 2000, 865-872
- Unlu, Y. & Kuyucu, F. A remainder for some non-locally compact spaces 27, 1996, 973-978
- Usha, S. See Muthiyalu, N. & Usha, S.
- Uthayakumar, A. & Porsezian, K. Painlevé analysis of the inhomogeneous Kadomtsev-Petviashvili equation 27, 1996, 419-422
- Uzelac, Z. Surla, K. & Uzelac, Z.
- Vaidya, A. M. Schnirehmann density of the sequence  $\{\alpha_n\}$  26, 1995, 1049-1056

- Vaishampayan, S. V. & Sharma, K. C.** Constants of motion of a general space vehicle 25, 1994, 785-800
- Vanhecke, L.** *See* Boeckk, E, Gillard, J & Vanhecke, L.
- Vanhecke, L.** *See* Gonzalez-Davila, J. C. & Vanhecke, L.
- Varma, S. K.** *See* Shrivastava, U. K., Varma, S. K. & Yadav, R. S.
- Vasuki, R.** Common fixed points for  $r$ -weakly commuting maps in fuzzy metric spaces 30, 1999, 419-424
- Vasuki, R.** *See* Avadayappan, S., Vasuki, R. & Jeyanthi, P.
- Vedan, M. J.** *See* Geetha, S., Joseph, T. & Vedan, M. J.
- Veera Kumar, M. K. R. S.** Some sandwich type near-rings 29, 1998, 1061-1066
- Veerapandiyan, N. & Ramachandran, P. N.** On strongly balanced graphs 22, 1991, 41-44
- Veeravalli, A. R.** On a characterization of Geodesic spheres 31, 2000, 979-982
- Veluchamy, T. & Panayappan, S.** On the ascent of composition operators 24, 1993, 107-110; Paranormal composition operators 24, 1993, 257-262
- Venkatachalam, V.** *See* Sampathkumar, E., Pushpa Latha, P., Venkatachalam, V. & Bhat, P.
- Venkataraman, S.** *See* Srivastav, A. & Venkataraman, S.
- Venkatesan, S. K.** *See* Mazumdar, H. P., Ganguly (Habishyasi), U. N. & Venkatesan, S. K.
- Venkatesh, T.** On integer solutions of  $x^4 + 5x^2y^2 + y^4 = z^2$  26, 1995, 837-840
- Verma, A.** *See* Jain, V. K. & Verma, A.
- Verma, P. D. S.** *See* Paras Ram & Verma, P. D. S.
- Verma, S.** *See* Pandey, S. N. & Verma, S.
- Vetrivel, V.** Existence of Ky Fan's best approximant for set-valued maps 27, 1996, 173-176
- Vidyadhar, M. S. R. R.** *See* Deekshatulu, B. L., Subhadra, P., Sasikala, K. R., Padmapriya, K. V. N., Lakshmi, V. U., Karunakar, T., Narasimha Rao, P. V., Vidyadhar, M. S. R. R., Kamaraju, M. V. V.
- Vijaya Laxmi, B.** *See* Nagaraja Rao, I. H. & Vijaya Laxmi, B.
- Vijayakumar, A.** *See* Nair, B. R. & Vijayakumar, A.
- Vijayaraju, P.** Applications of fixed point theorems to best simultaneous approximations 24, 1993, 21-26
- Vinagre, C. T. M.** *See* Cueva, M. C. & Vinagre, C. T. M.
- Viswanathan, K.** *See* Sharma, U., Viswanathan, K., Singh, K. & Gogna, M. L.
- Wagner, C.** *See* Rudraiah, N., Wagner, C., Evans, G. S. & Friedrich, R.
- Walker, W. J.** Oscillatory properties of Paley-Wiener functions 25, 1994, 1253-1258
- Wang, J.** Existence of nontrivial solutions to nonlinear systems of Hammerstein integral equations and applications 31, 2000, 1303-1312

- Wang, J., Dhaliwal, R. S. & Majumdar, S. R. Some theorems in the generalized theory of thermoelasticity for pressured bodies 28, 1997, 267-276
- Waphare, B. N. *See* Thakare, N.K. & Waphare, B. N.
- Wasadikar, M. P. *See* Nimbhorkar, S. K. & Wasadikar, M. P.
- Watson, B. Discrete weighted mean methods 30, 1999, 1223-1228
- Watson, B. *See* Park, S., Singh, S. P. & Watson, B.
- Watson, B. *See* Singh, S. P., Tarafdar, E. & Watson, B.
- Wedrychowicz, S. *See* Gacki, H., Szarek, T. & Wedrychowicz, S.
- Wenchang, C. Symmetric functions and the Riemann zeta series 31, 2000, 1677-1690
- Wilker, J. B. *See* Dumir, V. C., Hans-Gill, R. J. & Wilker, J. B.; The signs of the symbols representing two-dimensional Mobius transformations 23, 1992, 93-102
- Williams, K. S. *See* Huard, J. G., Spearman, B. K. & Williams, K. S.; *also see* Spearman, B. K. & Williams, K. S.
- with deviating argument and discontinuous nonlinearity 26, 1995, 1063-1072
- Xavier, M. *See* Ram Krishna & Xavier, M.
- Xu, D. *See* Li, S. & Xu, D.
- Xu, T. Modules over operator algebras and its module maps 28, 1997, 877-886
- Xu, Y. Normality criteria concerning sharing values 30, 1999, 287-294; Entire functions sharing one value IM 31, 2000, 849-856
- Xue-Ping, W. How to calculate the content for a given realize fuzzy matrix 31, 2000, 327-340; The union of proper non-equivalent fuzzy subgroups 30, 1999, 203-210
- Yadav, R. K. *See* Sinha, B. B. & Yadav, R. K.
- Yadav, R. N. *See* Sinha, B. B. & Yadav, R. N.
- Yadav, R. S. *See* Shrivastava, U. K., Varma, S. K. & Yadav, R. S.
- Yadav, S. P. *See* Zboon, R. A., Yadav, S. P. & Mohan, C.
- Yaghoobinejad, Y. *See* Shiam, R. S. & Yaghoobinejad, Y.
- Yakubovich, S. B., Hai, N. T. & Buschman, R. G. Convolutions for H-function transformations 23, 1992, 743-752
- Yamamoto, K., Yanase, S. & Alam, M. M. Axially invariant laminar flow in a helical duct of square cross-section 30, 1999, 271-286
- Yan, J. *See* Li, W. & Yan, J.
- Yan, J. *See* Meng, Q. & Yan, J.
- Yan, J. *See* Zhang, X. & Yan, J.
- Yan, J. *See* Zhang, Y., Yan, J. & Zhao, A.
- Yan, J. Zhang, F., Zhao, A. & Yan, J.
- Yan, J. Global attractivity in impulsive functional differential equations 29, 1998, 871-878



- Yanase, S.** See Yamamoto, K., Yanase, S. & Alam, M. M.
- Yang, C. C.** See Liao, L. W. & Yang, C. C.
- Yang, D.** See Gu, H. & Yang, D.
- Yang, F. & Yao, R.** The solution for mixed boundary value problems of two-dimensional potential theory by 27, 1996, 313-322
- Yang, G. S. & Fang, J. C.** Some generalizations of Carlson's inequalities 30, 1999, 1031-1040
- Yang, Q.** Atomic decomposition in  $L^p(\mathcal{R}^n)$  ( $1 < p < \infty$ ) 31, 2000, 1081-1088
- Yao, R.** See Yang, F. & Yao, R.
- Yapiskan, B.** See Enginer, Y., Hortascu, M., Kaya, R., Ozdemir, N., Ulker, K. & Yapiskan, B.
- Yardimci, S.** Core equality theorems for real bounded sequences 31, 2000, 129-136, Core theorems for real bounded sequences 27, 1996, 861-868
- Yegnanarayanan, V.** See Balakrishnan, R., Selvam, A. & Yegnanarayanan, V.
- Yi, H. X.** On results of Gopalakrishna-Bhoosnurmath and Singh-Dhar 30, 1999, 1081-1090; Uniqueness theorems for meromorphic functions II 28, 1997, 509-520; Uniqueness theorems for meromorphic functions 25, 1994, 731-742
- Yildirim, H.**  $B_n$ -metaharmonic semigroups of Bessel- $n$  potentials generalized by the generalized shift operators 29, 1998, 501-512
- Yildirim, M.** On the spectrum and fine spectrum of the compact Rhaly operators 27, 1996, 779-784; On the spectrum of the Rhaly operators on  $C_0$  and  $C$  29, 1998, 1301-1309
- Yildiz, B.** On the analytical methods for the general linear boundary value problem 29, 1998, 909-916
- Yildiz, B.** See Sever, A. & Yildiz, B.
- Yu, Y. H.** See Lalli, B. S., Yu, Y. H. & Cui, B. T.
- Yuan, X. Z.** See Tarafdar, E. & Yuan, X. Z.
- Yugandhar, K.** A note on primitively distributively generated near-rings 24, 1993, 303-312
- Yugandhar, K. & Murthy, K.** A note on injectivity of K-groups 22, 1991, 193-198
- Yuming, S.** On singular singularly-perturbed vector boundary value problem 28, 1997, 679-696
- Yusuf, M.** See Singh, A. K., Yusuf, M. & Soundalgekar, V. M.
- Zabreiko, P. P.** See Bainov, D. D., Kostadinov, S. I. & Zabreiko, P. P.; also see Bainov, D. D., Kostadinov, S. I. & Zabreiko, P. P.
- Zahreddine, Z.** A Routh-Hurwitz approach to a Schur-Cohn problem 24, 1993, 461-466; On the interlacing property of stable complex systems of differential equations 26, 1995, 643-648
- Zargar, B. A.** See Aziz, A. & Zargar, B. A.
- Zboon, R. A., Yadav, S. P. & Mohan, C.** Penalty method for an optimal control problem with equality and inequality constraints 30, 1999, 1-14

- Zen, G., Cabrerizo, J. L., Fernandez, L. M. & Farnandez, M. On  $\xi$ -conformally flat contact metric manifolds 28, 1997, 725-734
- Zhang, F., Zhao, A. & Yan, J. Monotone iterative method for differential equations with piecewise constant arguments 31, 2000, 69-76
- Zhang, M. Y. See Li, W. T., Zhang, M. Y & Fe, X. L.
- Zhang, Q. C. Meromorphic functions sharing three values 30, 1999, 667-682
- Zhang, X. & Yan, J. Global attractivity in impulsive functional differential equations 29, 1998, 871-878
- Zhang, Y., Yan, J. & Zhao, A. Oscillation criteria for a difference equation 28, 1997, 1241-1250
- Zhao, A. See Zhang, Y., Yan, J. & Zhao, A.
- Zhao, A. Zhang, F., Zhao, A. & Yan, J.
- Zhong, C. K. See Li, W. T., Fan, X. L. & Zhong, C. K.
- Zvkovic, S. See Rakocevic, V. & Zvkovic, S
- Zhong, C. K. See Fan X. L., Li, W. T. & Zhong C. K.
- Zou, W. Positive eigenvector for weakly inward maps 28, 1997, 1391-1398



RN 19797/ 70

Regd DL-11210/92

---

Published by Shri S. K. Sahni, Executive Secretary, Indian National Science Academy, Bahadur Shah Zafar Marg,  
New Delhi 110 002, typeset and printed by M/s. Kamala Print-n-Publish Pvt. Ltd.,  
O 96 New Mahavir Nagar, New Delhi 110 018, Phones . 2599 3039, 98913 15537